

From: Whiteman, Brian  
Sent: Wednesday, July 06, 2005 5:31 PM  
To: STIC-Biotech/ChemLib  
Subject: seq search

09/540,843  
Gilchrest et al. EFD 3/31/00

SEQ ID NOS: 1, 2, 3, 4, 5, 6, 8, and 11

1) interference search

Please print first 40 hits

If possible please limit the search to nucleotides with less than 200 base pairs

Thank you,

Brian Whiteman  
Remsen, 2D14  
mail box 2C18  
Patent Examiner - Art Unit 1635  
United States Patent and Trademark Office  
(571) 272-0764

1 na 9  
2 na 9  
3 na 7  
4 na 5  
5 na 11  
6 na 5  
8 na 20  
11 na 6

\*\*\*\*\*  
STAFF USE ONLY

Searcher: \_\_\_\_\_  
Searcher Phone: 2-\_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date Completed: \_\_\_\_\_  
Searcher Prep/Rev. Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

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Type of Search

NA#: \_\_\_\_\_ AA#: \_\_\_\_\_  
Interference: \_\_\_\_\_ SPDI: \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure#: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*  
Vendors and cost where applicable

STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other(Specify): \_\_\_\_\_

Date completed: \_\_\_\_\_

Searcher: Beverly e 2528

Terminal time: \_\_\_\_\_

Elapsed time: \_\_\_\_\_

CPU time: \_\_\_\_\_

Total time: \_\_\_\_\_

Number of Searches: \_\_\_\_\_

Number of Databases: \_\_\_\_\_

## Search Site

\_\_\_\_\_ STIC

\_\_\_\_\_ CM-1

\_\_\_\_\_ Pre-S

## Type of Search

\_\_\_\_\_ N.A. Sequence

\_\_\_\_\_ A.A. Sequence

\_\_\_\_\_ Structure

\_\_\_\_\_ Bibliographic

## Vendors

\_\_\_\_\_ IG

\_\_\_\_\_ STN

\_\_\_\_\_ Dialog

\_\_\_\_\_ APS

\_\_\_\_\_ Geninfo

\_\_\_\_\_ SDC

\_\_\_\_\_ DARC/Questel

☒ Other CGN

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 18:12:19 ; Search time 197.861 Seconds

(without alignments)  
222.117 Million cell updates/sec

Title: US-09-540-843-3

Perfect score: 7

Sequence: 1 agtatga 7

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 6330945 seqs, 3139162390 residues

Total number of hits satisfying chosen parameters: 7146590

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Published Applications NA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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7	7	100.0	10	9	US-09-398-399-31
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## ALIGNMENTS

RESULT 1  
US-10-122-630-3  
; Sequence 3, Application US/10122630  
; Publication No. US2003032610A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Yaar, Mark S.  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-018  
; CURRENT APPLICATION NUMBER: US/10/122,630  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 08/467,012  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: PCT/US96/08386  
; PRIOR FILING DATE: 1996-06-03  
; PRIOR APPLICATION NUMBER: US 09/048,927  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-630-3

Query Match 100.0%; Score 7; DB 14; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.7e+08;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 1 AGTATGA 7  
|||||

RESULT 2  
US-10-122-630-7  
; Sequence 7, Application US/10122630  
; Publication No. US2003032610A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.

; APPLICANT: Eller, Mark S.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-018  
; CURRENT APPLICATION NUMBER: US/10/122,630  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 08/467,012  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: PCT/US96/08386  
; PRIOR FILING DATE: 1996-06-03  
; PRIOR APPLICATION NUMBER: US 09/048,927  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-630-7

Query Match 100.0%; Score 7; DB 14; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.7e+08;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 1 AGTATGA 7  
|||||

RESULT 3  
US-10-122-633-3  
; Sequence 3, Application US/10122633  
; Publication No. US2003032611A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Yaar, Mark S.  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-019  
; CURRENT APPLICATION NUMBER: US/10/122,633  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-633-3

Query Match 100.0%; Score 7; DB 14; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.7e+08;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 1 AGTATGA 7  
|||||

RESULT 4



US-10-122-633-7  
; Sequence 7, Application US/10122633  
; Publication No. US20030032611A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Yaar, Mark S.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-019  
; CURRENT APPLICATION NUMBER: US/10/122,633  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-633-7

Query Match 100.0%; Score 7; DB 14; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.7e+08;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 1 AGTATGA 7

RESULT 5  
US-10-122-630-1  
; Sequence 1, Application US/10122630  
; Publication No. US20030032610A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Yaar, Mark S.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-018  
; CURRENT APPLICATION NUMBER: US/10/122,630  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 08/467,012  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: PCT/US96/08386  
; PRIOR FILING DATE: 1996-06-03  
; PRIOR APPLICATION NUMBER: US 09/048,927  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-630-1

Query Match 100.0%; Score 7; DB 14; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.8e+08;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7

Db 2 AGTATGA 8  
RESULT 6  
US-10-122-633-1  
; Sequence 1, Application US/10122633  
; Publication No. US20030032611A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Yaar, Mark S.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-019  
; CURRENT APPLICATION NUMBER: US/10/122,633  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-633-1

Query Match 100.0%; Score 7; DB 14; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.9e+08;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 2 AGTATGA 8

RESULT 7  
US-09-398-399-31  
; Sequence 31, Application US/09398399  
; Patent No. US20020051973A1  
; GENERAL INFORMATION:  
; APPLICANT: DELENSTARR, GLENDA C.  
; APPLICANT: LEFKOWITZ, STEVEN M.  
; APPLICANT: LUBEKE, KEVIN J.  
; APPLICANT: OVERMAN, LESLIE B.  
; APPLICANT: SAMPSON, NICHOLAS M.  
; APPLICANT: SAMPSON, JEFFREY R.  
; APPLICANT: WOLBER, PAUL K.  
; TITLE OF INVENTION: TECHNIQUES FOR ASSESSING NONSPECIFIC BINDING OF NUCLEIC  
; TITLE OF INVENTION: ACIDS TO SURFACES  
; FILE REFERENCE: 10981620-1  
; CURRENT APPLICATION NUMBER: US/09/398,399  
; CURRENT FILING DATE: 1999-09-17  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 31  
; LENGTH: 10  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Probe  
US-09-398-399-31

Query Match 100.0%; Score 7; DB 9; Length 10;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7

Db 1 AGTATGA 7

## RESULT 8

US-09-899-381-31  
; Sequence 31, Application US/09899381  
; Patent No. US20020068293A1  
; GENERAL INFORMATION:  
; APPLICANT: Delenstarr, Glend C.  
; APPLICANT: Wolber, Pual K.  
; APPLICANT: Sana, Theodore R.  
; TITLE OF INVENTION: Arrays Having Background Features and  
; TITLE OF INVENTION: Methods for Using the Same  
; FILE REFERENCE: 10010760-1  
; CURRENT APPLICATION NUMBER: US/09/899,381  
; PRIOR FILING DATE: 2001-07-05  
; PRIOR APPLICATION NUMBER: 09/398,399  
; PRIOR FILING DATE: 1999-09-17  
; NUMBER OF SEQ ID NOS: 53  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 31  
; LENGTH: 10  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic probe  
US-09-899-381-31

Query Match 100.0%; Score 7; DB 9; Length 10;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 1 AGTATGA 7

## RESULT 9

US-10-033-145-1423/c  
; Sequence 1423, Application US/10033145  
; Publication No. US20020151515A1  
; GENERAL INFORMATION:  
; APPLICANT: GENZYME CORPORATION  
; APPLICANT: ROBERTS, BRUCE  
; APPLICANT: SHANKARA, SRINIVAS  
; TITLE OF INVENTION: PREPARATION AND USE OF SUPERIOR VACCINES  
; FILE REFERENCE: GA0201C  
; CURRENT APPLICATION NUMBER: US/10/033,145  
; CURRENT FILING DATE: 2001-11-05  
; PRIOR APPLICATION NUMBER: PCT/US99/13800  
; PRIOR FILING DATE: 1999-06-18  
; NUMBER OF SEQ ID NOS: 2137  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1423  
; LENGTH: 10  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-033-145-1423

Query Match 100.0%; Score 7; DB 13; Length 10;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 7 AGTATGA 1

## RESULT 10

US-10-329-465-30/c  
; Sequence 30, Application US/10329465  
; Publication No. US20030165949A1  
; GENERAL INFORMATION:

; APPLICANT: Wang et al.  
; TITLE OF INVENTION: GENES ABNORMALLY EXPRESSED IN MYELOID LEUKEMIA CELLS WITH AN MLL-1  
; TITLE OF INVENTION: FUSION  
; FILE REFERENCE: 27373/37928A  
; CURRENT APPLICATION NUMBER: US/10/329,465  
; CURRENT FILING DATE: 2002-12-23  
; PRIOR APPLICATION NUMBER: US 60/343,826  
; PRIOR FILING DATE: 2001-12-27  
; NUMBER OF SEQ ID NOS: 315  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 30  
; LENGTH: 10  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic oligonucleotide  
US-10-329-465-30

Query Match 100.0%; Score 7; DB 16; Length 10;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 10 AGTATGA 4

## RESULT 11

US-10-193-507-58/c  
; Sequence 58, Application US/10193507  
; Publication No. US20040018493A1  
; GENERAL INFORMATION:  
; APPLICANT: Anastasio, Alison E.  
; APPLICANT: Kazemi, Amir  
; APPLICANT: Lachowicz, Michael F.  
; APPLICANT: Pabon, Vicente  
; APPLICANT: Shah, Nisha  
; TITLE OF INVENTION: HAPLOTYPES OF THE CD3E GENE  
; FILE REFERENCE: MMW-2790US  
; CURRENT APPLICATION NUMBER: US/10/193,507  
; CURRENT FILING DATE: 2002-07-12  
; PRIOR APPLICATION NUMBER: 60/304,573  
; PRIOR FILING DATE: 2001-07-11  
; NUMBER OF SEQ ID NOS: 86  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 58  
; LENGTH: 10  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-193-507-58

Query Match 100.0%; Score 7; DB 17; Length 10;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 9 AGTATGA 3

## RESULT 12

US-10-818-158-2/c  
; Sequence 2, Application US/10818158  
; Publication No. US20050020526A1  
; GENERAL INFORMATION:  
; APPLICANT: CHEN, YIN XING  
; APPLICANT: TAN, XIN XING  
; TITLE OF INVENTION: OLIGODEOXYNUCLEOTIDE INTERVENTION FOR PREVENTION AND  
; TITLE OF INVENTION: TREATMENT OF SEPSIS  
; FILE REFERENCE: CRYA.025-C-CIP  
; CURRENT APPLICATION NUMBER: US/10/818,158  
; CURRENT FILING DATE: 2004-04-05  
; PRIOR APPLICATION NUMBER: 10/743,956

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; PRIOR FILING DATE: 2003-12-23
; PRIOR APPLICATION NUMBER: 10/453,410
; PRIOR FILING DATE: 2003-06-03
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 2
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-818-158-2

Query Match      100.0%; Score 7; DB 21; Length 10;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 8 AGTATGA 2

RESULT 13
US-10-612-224-97/c
; Sequence 97, Application US/10612224
; Publication No. US20040137011A1
; GENERAL INFORMATION:
; APPLICANT: Cunningham, Philip R.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
; TITLE OF INVENTION: IDENTIFICATION OF ANTIBIOTICS THAT ARE NOT SUSCEPTIBLE TO
; TITLE OF INVENTION: ANTIBIOTIC RESISTANCE
; FILE REFERENCE: WSV-2597
; CURRENT APPLICATION NUMBER: US/10/612,224
; CURRENT FILING DATE: 2003-07-01
; PRIOR APPLICATION NUMBER: 60/393237
; PRIOR FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: 60/452012
; PRIOR FILING DATE: 2003-03-05
; NUMBER OF SEQ ID NOS: 245
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 97
; LENGTH: 11
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer
US-10-612-224-97

Query Match      100.0%; Score 7; DB 19; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 7 AGTATGA 1

RESULT 14
US-10-450-797-482
; Sequence 482, Application US/10450797
; Publication No. US20040142335A1
; GENERAL INFORMATION:
; APPLICANT: Petersohn, Dirk
; APPLICANT: Conradt, Marcus
; APPLICANT: Hofmann, Kay
; TITLE OF INVENTION: METHOD FOR DETERMINING SKIN STRESS OR SKIN AGEING IN VITRO
; FILE REFERENCE: HENK-0041
; CURRENT APPLICATION NUMBER: US/10/450,797
; CURRENT FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: PCT/EP01/15178
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: DE 101 00 121.5
```

```
; PRIOR FILING DATE: 2001-01-03
; NUMBER OF SEQ ID NOS: 1435
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 482
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-450-797-482

Query Match      100.0%; Score 7; DB 19; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 1 AGTATGA 7

RESULT 15
US-10-221-306A-15/c
; Sequence 15, Application US/10221306A
; Publication No. US20040171820A1
; GENERAL INFORMATION:
; APPLICANT: Seela, Frank
; APPLICANT: Debelak, Harald
; APPLICANT: Bergmann, Frank
; APPLICANT: Heindl, Dieter
; APPLICANT: von der Eltz, Herbert
; TITLE OF INVENTION: N8- and C8-linked purine bases and structurally related
; TITLE OF INVENTION: heterocycles as universal nucleosides used for
; TITLE OF INVENTION: oligonucleotide hybridization
; FILE REFERENCE: 19028.US
; CURRENT APPLICATION NUMBER: US/10/221,306A
; CURRENT FILING DATE: 2002-09-10
; PRIOR APPLICATION NUMBER: PCT/EP01/03458
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic; oligonucleotide designated 118 useful in a model
; OTHER INFORMATION: oligonucleotide hybridization system for analysing properties
; OTHER INFORMATION: of nucleotide analogues as described in the present
; OTHER INFORMATION: application
; NAME/KEY: modified_base
; LOCATION: (7)
; OTHER INFORMATION: abasic linker-group at 3-OH-group of sugar
US-10-221-306A-15

Query Match      100.0%; Score 7; DB 19; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 11 AGTATGA 5

RESULT 16
US-10-150-779A-15/c
; Sequence 15, Application US/10150779A
; Publication No. US20030125241A1
; GENERAL INFORMATION:
; APPLICANT: WISSENBACH, MARGIT
; APPLICANT: KOCH, TROELS
; APPLICANT: ORUM, HENRICK
; APPLICANT: HANSEN, BO
; TITLE OF INVENTION: THERAPEUTIC USES OF LNA-MODIFIED OLIGONUCLEOTIDES IN
; TITLE OF INVENTION: INFECTIOUS DISEASES
```

; FILE REFERENCE: 55704 (45120)  
; CURRENT APPLICATION NUMBER: US/10/150,779A  
; CURRENT FILING DATE: 2003-02-07  
; PRIOR APPLICATION NUMBER: 60/291,830  
; PRIOR FILING DATE: 2001-05-18  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 15  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: oligonucleotide  
US-10-150-779A-15

Query Match 100.0%; Score 7; DB 15; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 11 AGTATGA 5

RESULT 17  
US-10-150-779A-16/c  
; Sequence 16, Application US/10150779A  
; Publication No. US20030125241A1  
; GENERAL INFORMATION:  
; APPLICANT: WISSENBACH, MARGIT  
; APPLICANT: KOCH, TROELS  
; APPLICANT: ORUM, HENRIK  
; APPLICANT: HANSEN, BO  
; TITLE OF INVENTION: THERAPEUTIC USES OF LNA-MODIFIED OLIGONUCLEOTIDES IN  
; TITLE OF INVENTION: INFECTIOUS DISEASES  
; FILE REFERENCE: 55704 (45120)  
; CURRENT APPLICATION NUMBER: US/10/150,779A  
; CURRENT FILING DATE: 2003-02-07  
; PRIOR APPLICATION NUMBER: 60/291,830  
; PRIOR FILING DATE: 2001-05-18  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 16  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: DNA oligonucleotide with phosphorothioate backbone  
US-10-150-779A-16

Query Match 100.0%; Score 7; DB 15; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 11 AGTATGA 5

RESULT 18  
US-10-257-017B-267717/c  
; Sequence 267717, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 270751  
; LENGTH: 12  
; TYPE: DNA

; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 267717  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0000478  
US-10-257-017B-267717

Query Match 100.0%; Score 7; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 12 AGTATGA 6

RESULT 19  
US-10-257-017B-268330/c  
; Sequence 268330, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 268330  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001064  
US-10-257-017B-268330

Query Match 100.0%; Score 7; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 11 AGTATGA 5

RESULT 20  
US-10-257-017B-270751  
; Sequence 270751, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 270751  
; LENGTH: 12  
; TYPE: DNA

```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002258
US-10-257-017B-270751

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 1 AGTATGA 7
    |||||

RESULT 21
US-10-257-017B-271312
; Sequence 271312, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 271312
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002461
US-10-257-017B-271312

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 3 AGTATGA 9
    |||||

RESULT 22
US-10-257-017B-271422/c
; Sequence 271422, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 271422
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002501
US-10-257-017B-271422

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 3 AGTATGA 9
    |||||

RESULT 23
US-10-257-017B-271762
; Sequence 271762, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 271762
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002606
US-10-257-017B-271762

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 4 AGTATGA 10
    |||||

RESULT 24
US-10-257-017B-274643
; Sequence 274643, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 274643
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003624
US-10-257-017B-274643

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 3 AGTATGA 9
    |||||
```

```

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 12 AGTATGA 6
    |||||

RESULT 23
US-10-257-017B-271762
; Sequence 271762, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 271762
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002606
US-10-257-017B-271762

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 4 AGTATGA 10
    |||||

RESULT 24
US-10-257-017B-274643
; Sequence 274643, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 274643
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003624
US-10-257-017B-274643

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 3 AGTATGA 9
    |||||
```

```
RESULT 25
US-10-257-017B-274645
; Sequence 274645, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 274645
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003624
US-10-257-017B-274645

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 3 AGTATGA 9

RESULT 26
US-10-257-017B-275436/c
; Sequence 275436, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 275436
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003893
US-10-257-017B-275436

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 7 AGTATGA 1

RESULT 27
US-10-257-017B-278130/c
; Sequence 278130, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278130
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005661
US-10-257-017B-278130

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 12 AGTATGA 6

RESULT 28
US-10-257-017B-278178
; Sequence 278178, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278178
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005765
US-10-257-017B-278178

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 6 AGTATGA 12

RESULT 29
US-10-257-017B-279165
; Sequence 279165, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279165
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006974
US-10-257-017B-279165

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 1 AGTATGA 7

RESULT 30
US-10-257-017B-279249
; Sequence 279249, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279249
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007098
US-10-257-017B-279249

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 2 AGTATGA 8

RESULT 31
US-10-257-017B-279325
; Sequence 279325, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279325
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007174
US-10-257-017B-279325

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 3 AGTATGA 9

RESULT 32
US-10-257-017B-279622
; Sequence 279622, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279622
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007613
US-10-257-017B-279622

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7
Db 2 AGTATGA 8

RESULT 33
US-10-257-017B-280377
; Sequence 280377, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 280377
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008537
US-10-257-017B-280377

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 AGTATGA 7  
|||||  
Db 1 AGTATGA 7

## RESULT 34

US-10-257-017B-280601/c  
; Sequence 280601, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Kurt Berlin  
; APPLICANT: Christian Piepenbrock  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 280601  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00082828  
US-10-257-017B-280601

Query Match 100.0%; Score 7; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
|||||  
Db 7 AGTATGA 1

## RESULT 35

US-10-257-017B-280912/c  
; Sequence 280912, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Kurt Berlin  
; APPLICANT: Christian Piepenbrock  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 280912  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009246  
US-10-257-017B-280912

Query Match 100.0%; Score 7; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
|||||  
Db 9 AGTATGA 3

## RESULT 36

US-10-257-017B-281987/c

; Sequence 281987, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Kurt Berlin  
; APPLICANT: Christian Piepenbrock  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 281987  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010235  
US-10-257-017B-281987

Query Match 100.0%; Score 7; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
|||||  
Db 11 AGTATGA 5

## RESULT 37

US-10-257-017B-282596/c  
; Sequence 282596, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Kurt Berlin  
; APPLICANT: Christian Piepenbrock  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 282596  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010900  
US-10-257-017B-282596

Query Match 100.0%; Score 7; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
|||||  
Db 9 AGTATGA 3

## RESULT 38

US-10-257-017B-284462  
; Sequence 284462, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Kurt Berlin  
; APPLICANT: Christian Piepenbrock  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine



```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284462
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011841
US-10-257-017B-284462

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 1 AGTATGA 7

RESULT 39
US-10-257-017B-284463
; Sequence 284463, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284463
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011841
US-10-257-017B-284463

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 1 AGTATGA 7

RESULT 40
US-10-257-017B-284919
; Sequence 284919, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284919
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012055
US-10-257-017B-284919

Query Match      100.0%; Score 7; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 4 AGTATGA 10

Search completed: July 13, 2005, 04:11:15
Job time : 200.861 secs
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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 15:44:02 ; Search time 41.2911 Seconds  
(without alignment)  
277.395 Million cell updates/sec

Title: US-09-540-843-3

Perfect score: 7

Sequence: 1 agtatga 7

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1407054

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Issued Patents NA.\*  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	7	100.0	7	3	US-09-048-927-3
2	7	100.0	9	3	US-09-048-927-1
3	7	100.0	13	4	US-09-922-445-12
4	7	100.0	13	4	US-09-922-445-22
5	7	100.0	14	2	US-08-485-133-27
6	7	100.0	14	2	US-08-744-905A-4
7	7	100.0	15	1	US-08-334-847-24
8	7	100.0	15	1	US-08-334-847-327
9	7	100.0	15	1	US-08-671-071B-2
10	7	100.0	15	2	US-08-747-121-4
11	7	100.0	15	2	US-08-585-684B-130
12	7	100.0	15	2	US-08-585-684B-1315
13	7	100.0	15	2	US-08-485-133-28
14	7	100.0	15	3	US-09-094-714A-33
15	7	100.0	15	3	US-09-094-714A-34
16	7	100.0	15	3	US-09-049-190-6
17	7	100.0	15	3	US-09-049-190-7
18	7	100.0	15	3	US-09-038-073-130
19	7	100.0	15	3	US-09-038-073-1315
20	7	100.0	15	3	US-08-932-140C-6
21	7	100.0	15	3	US-08-932-140C-7
22	7	100.0	15	3	US-09-253-977-2
23	7	100.0	15	4	US-09-272-343-1
24	7	100.0	15	4	US-09-272-343-2
25	7	100.0	15	4	US-09-486-623C-6
26	7	100.0	15	4	US-09-486-623C-7
27	7	100.0	16	1	US-07-977-284A-59

28	7	100.0	16	1	US-08-719-593-24	Sequence 24, Appl
c 29	7	100.0	16	2	US-08-256-426B-59	Sequence 59, Appl
30	7	100.0	16	3	US-08-458-814-1	Sequence 1, Appl
31	7	100.0	16	4	US-09-479-005A-125	Sequence 125, App
32	7	100.0	16	4	US-09-479-005A-126	Sequence 126, App
33	7	100.0	17	1	US-08-390-850-461	Sequence 461, App
34	7	100.0	17	1	US-08-435-634-461	Sequence 461, App
35	7	100.0	17	1	US-08-758-306-365	Sequence 365, App
c 36	7	100.0	17	1	US-08-758-306-367	Sequence 367, App
37	7	100.0	17	1	US-08-758-306-369	Sequence 369, App
38	7	100.0	17	1	US-08-758-306-371	Sequence 371, App
c 39	7	100.0	17	1	US-08-758-306-813	Sequence 813, App
40	7	100.0	17	1	US-08-758-306-815	Sequence 815, App
c 41	7	100.0	17	2	US-08-671-320-6	Sequence 6, Appl
c 42	7	100.0	17	2	US-08-668-377-6	Sequence 6, Appl
43	7	100.0	17	2	US-08-485-133-2	Sequence 2, Appl
44	7	100.0	17	3	US-08-985-162-443	Sequence 443, App
45	7	100.0	17	3	US-08-985-162-444	Sequence 444, App
c 46	7	100.0	17	4	US-09-207-914-6	Sequence 6, Appl
47	7	100.0	17	4	US-09-401-063-443	Sequence 443, App
48	7	100.0	17	4	US-09-401-063-444	Sequence 444, App
49	7	100.0	17	4	US-09-866-108A-2749	Sequence 2749, Ap
50	7	100.0	17	4	US-09-866-108A-2750	Sequence 2750, Ap
51	7	100.0	17	4	US-09-866-108A-2751	Sequence 2751, Ap
52	7	100.0	17	4	US-09-866-108A-2752	Sequence 2752, Ap
53	7	100.0	17	4	US-09-866-108A-2753	Sequence 2753, Ap
54	7	100.0	17	4	US-09-866-108A-2754	Sequence 2754, Ap
55	7	100.0	17	4	US-09-866-108A-2755	Sequence 2755, Ap
56	7	100.0	17	4	US-09-866-108A-2756	Sequence 2756, Ap
57	7	100.0	17	4	US-09-866-108A-2757	Sequence 2757, Ap
58	7	100.0	17	4	US-09-866-108A-2758	Sequence 2758, Ap
59	7	100.0	17	4	US-09-866-108A-2759	Sequence 2759, Ap
60	7	100.0	17	4	US-09-866-108A-8150	Sequence 8150, Ap
61	7	100.0	17	4	US-09-866-108A-8151	Sequence 8151, Ap
62	7	100.0	17	4	US-09-866-108A-8152	Sequence 8152, Ap
63	7	100.0	17	4	US-09-866-108A-8153	Sequence 8153, Ap
64	7	100.0	17	4	US-09-866-108A-8154	Sequence 8154, Ap
65	7	100.0	17	4	US-09-866-108A-8155	Sequence 8155, Ap
66	7	100.0	17	4	US-09-866-108A-8156	Sequence 8156, Ap
67	7	100.0	17	4	US-09-866-108A-8157	Sequence 8157, Ap
68	7	100.0	17	4	US-09-866-108A-8158	Sequence 8158, Ap
69	7	100.0	17	4	US-09-866-108A-8159	Sequence 8159, Ap
70	7	100.0	17	4	US-09-866-108A-8160	Sequence 8160, Ap
c 71	7	100.0	17	4	US-09-404-912-594	Sequence 594, App
72	7	100.0	18	1	US-07-688-352C-8	Sequence 8, Appl
73	7	100.0	18	1	US-08-363-585-55	Sequence 55, Appl
74	7	100.0	18	1	US-08-358-995-10	Sequence 10, Appl
c 75	7	100.0	18	2	US-08-928-692-48	Sequence 48, Appl
76	7	100.0	18	2	US-08-474-379C-8	Sequence 8, Appl
77	7	100.0	18	2	US-09-200-141-19	Sequence 19, Appl
78	7	100.0	18	2	US-09-213-768-24	Sequence 24, Appl
79	7	100.0	18	2	US-09-213-768-25	Sequence 25, Appl
80	7	100.0	18	2	US-09-213-768-29	Sequence 29, Appl
81	7	100.0	18	3	US-08-604-991-6	Sequence 6, Appl
82	7	100.0	18	3	US-09-146-249A-8	Sequence 8, Appl
83	7	100.0	18	3	US-09-363-639-6	Sequence 6, Appl
84	7	100.0	18	3	US-08-206-188B-8	Sequence 8, Appl
c 85	7	100.0	18	3	US-09-630-706-80	Sequence 80, Appl
86	7	100.0	18	3	US-09-339-972-41	Sequence 41, Appl
c 87	7	100.0	18	3	US-09-167-109-21	Sequence 21, Appl
88	7	100.0	18	4	US-09-422-978-4445	Sequence 4445, Ap
89	7	100.0	18	4	US-09-422-978-4623	Sequence 4623, Ap
c 90	7	100.0	18	4	US-09-422-978-4648	Sequence 4648, Ap
91	7	100.0	18	4	US-09-422-978-4729	Sequence 4729, Ap
92	7	100.0	18	4	US-09-422-978-9976	Sequence 9976, Ap
c 93	7	100.0	18	4	US-09-554-726A-26	Sequence 26, Appl
94	7	100.0	18	4	US-09-602-787A-677	Sequence 677, App
95	7	100.0	18	4	US-09-984-292-30	Sequence 30, Appl
96	7	100.0	18	4	US-09-603-208A-305	Sequence 305, App
c 97	7	100.0	18	4	US-09-847-940C-27	Sequence 27, Appl
98	7	100.0	18	4	US-09-602-777A-441	Sequence 441, App
c 99	7	100.0	18	5	PCT-US91-02714-8	Sequence 8, Appl
c 100	7	100.0	19	1	US-08-410-780A-25	Sequence 25, Appl

## ALIGNMENTS

RESULT 1  
US-09-048-927-3  
; Sequence 3, Application US/09048927  
; Patent No. 6147056  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Eller, Mark  
; TITLE OF INVENTION: Use of Locally Applied DNA Fragments  
; FILE REFERENCE: BU94-68A2  
; CURRENT APPLICATION NUMBER: US/09/048,927  
; CURRENT FILING DATE: 1998-03-26  
; EARLIER APPLICATION NUMBER: 08/952,697  
; EARLIER FILING DATE: 1996-06-03  
; EARLIER APPLICATION NUMBER: 08/467,012  
; EARLIER FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 3  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: DNA Fragment  
US-09-048-927-3

Query Match 100.0%; Score 7; DB 3; Length 7;  
Best Local Similarity 100.0%; Pred. No. 2.3e+08;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
|||  
Db 1 AGTATGA 7

RESULT 2  
US-09-048-927-1  
; Sequence 1, Application US/09048927  
; Patent No. 6147056  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Eller, Mark  
; TITLE OF INVENTION: Use of Locally Applied DNA Fragments  
; FILE REFERENCE: BU94-68A2  
; CURRENT APPLICATION NUMBER: US/09/048,927  
; CURRENT FILING DATE: 1998-03-26  
; EARLIER APPLICATION NUMBER: 08/952,697  
; EARLIER FILING DATE: 1996-06-03  
; EARLIER APPLICATION NUMBER: 08/467,012  
; EARLIER FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: DNA Fragment  
US-09-048-927-1

Query Match 100.0%; Score 7; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.8e+08;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
|||  
Db 2 AGTATGA 8

RESULT 3  
US-09-922-445-12/c  
; Sequence 12, Application US/09922445  
; Patent No. 6528268  
; GENERAL INFORMATION:  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Berglund, Lars G. T.  
; APPLICANT: Reneland, Rikard H.  
; APPLICANT: Adam, Gail I. R.  
; TITLE OF INVENTION: REAGENTS AND METHODS FOR DETECTION OF HEART FAILURE  
; FILE REFERENCE: G3126US  
; CURRENT APPLICATION NUMBER: US/09/922,445  
; CURRENT FILING DATE: 2001-08-03  
; NUMBER OF SEQ ID NOS: 51  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: synthetic  
US-09-922-445-12

Query Match 100.0%; Score 7; DB 4; Length 13;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
|||  
Db 9 AGTATGA 3

RESULT 4  
US-09-922-445-22  
; Sequence 22, Application US/09922445  
; Patent No. 6528268  
; GENERAL INFORMATION:  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Berglund, Lars G. T.  
; APPLICANT: Reneland, Rikard H.  
; APPLICANT: Adam, Gail I. R.  
; TITLE OF INVENTION: REAGENTS AND METHODS FOR DETECTION OF HEART FAILURE  
; FILE REFERENCE: G3126US  
; CURRENT APPLICATION NUMBER: US/09/922,445  
; CURRENT FILING DATE: 2001-08-03  
; NUMBER OF SEQ ID NOS: 51  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 22  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: synthetic  
US-09-922-445-22

Query Match 100.0%; Score 7; DB 4; Length 13;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
|||  
Db 5 AGTATGA 11

RESULT 5  
US-08-485-133-27  
; Sequence 27, Application US/08485133  
; Patent No. 5976789  
; GENERAL INFORMATION:  
; APPLICANT: Allibert, Patrice A.  
; APPLICANT: Cros, Philippe  
; APPLICANT: Mach, Bernard F.  
; APPLICANT: Mandrand, Bernard F.  
; APPLICANT: Tiercy, Jean-Marie  
; TITLE OF INVENTION: SYSTEM OF PROBES ENABLING HLA-DR TYPING

```
; TITLE OF INVENTION: TO BE PERFORMED, AND TYPING METHOD USING SAID PROBES
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OLIFF & BERRIDGE
; STREET: P.O. Box 19928
; CITY: Alexandria
; STATE: Virginia
; ZIP: 22320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,133
; FILING DATE: 7-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/030,143
; FILING DATE: 11-MAR-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Berridge, William P.
; REGISTRATION NUMBER: 30,024
; REFERENCE/DOCKET NUMBER: WPB 28596A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6400
; TELEFAX: 703-836-2787
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-485-133-27

Query Match 100.0%; Score 7; DB 2; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 8 AGTATGA 14

RESULT 6
US-08-744-905A-4/c
; Sequence 4, Application US/08744905A
; Patent No. 590294
; GENERAL INFORMATION:
; APPLICANT: Murphy, Gerald
; APPLICANT: Boynton, Alton
; APPLICANT: Sehgal, Anil
; TITLE OF INVENTION: NUCLEOTIDE AND AMINO ACID
; TITLE OF INVENTION: SEQUENCES OF C4-2, A TUMOR SUPPRESSOR GENE,
; TITLE OF INVENTION: AND METHODS OF USE THEREOF
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/744,905A
; FILING DATE: 08-NOV-1996
; CLASSIFICATION: 536
```

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Baldwin, Geraldine F
; REGISTRATION NUMBER: 31,232
; REFERENCE/DOCKET NUMBER: 8511-009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8698864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Modified Base
; LOCATION: 1
; OTHER INFORMATION: Where N is any nucleotide
; US-08-744-905A-4

Query Match 100.0%; Score 7; DB 2; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 14 AGTATGA 8

RESULT 7
US-08-334-847-24
; Sequence 24, Application US/08334847
; Patent No. 5693532
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, James
; APPLICANT: Draper, Kenneth
; APPLICANT: Pavco, Pam
; APPLICANT: Woolf, Tod
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING RESPIRATORY
; TITLE OF INVENTION: SYNCYTIAL VIRUS
; NUMBER OF SEQUENCES: 909
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/334,847
; FILING DATE: No. 5693532ember 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
```

## ; INFORMATION FOR SEQ ID NO: 24:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-334-847-24

Query Match 100.0%; Score 7; DB 1; Length 15;  
Best Local Similarity 71.4%; Pred. No. 3.6e+04;  
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
||:|:  
Db 5 AGAUGA 11

## RESULT 8

US-08-334-847-327  
; Sequence 327, Application US/08334847  
; Patent No. 5693532

## ; GENERAL INFORMATION:

; APPLICANT: McSwiggen, James  
; APPLICANT: Draper, Kenneth  
; APPLICANT: Pavco, Pam  
; APPLICANT: Woolf, Tod  
; TITLE OF INVENTION: METHOD AND REAGENT FOR  
; TITLE OF INVENTION: INHIBITING RESPIRATORY  
; TITLE OF INVENTION: SYNCYTIAL VIRUS  
; NUMBER OF SEQUENCES: 909

## ; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.

; ZIP: 90071-2066

## ; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: Word Perfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/334.847  
; FILING DATE: No. 5693532ember 4, 1994

## ; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

## ; ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 209/032  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510

## ; INFORMATION FOR SEQ ID NO: 327:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-334-847-327

Query Match 100.0%; Score 7; DB 1; Length 15;  
Best Local Similarity 71.4%; Pred. No. 3.6e+04;  
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
||:|:  
Db 5 AGAUGA 11

## RESULT 9

US-08-671-071B-2/c  
; Sequence 2, Application US/08671071B  
; Patent No. 5811270

## ; GENERAL INFORMATION:

; APPLICANT: Grandgenett, Duane  
; TITLE OF INVENTION: An in vitro method for concerted integration of  
; TITLE OF INVENTION: donor DNA molecules using retroviral integrase proteins.  
; NUMBER OF SEQUENCES: 7

## ; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Grandgenett, Duane  
; STREET: 8610 Henrietta Ave  
; CITY: Brentwood  
; STATE: Missouri  
; COUNTRY: USA  
; ZIP: 63144

## ; COMPUTER READABLE FORM:

; MEDIUM TYPE: Distette, 3.5 inch;  
; COMPUTER: Gateway 2000, 4DX2-66E(Intel)  
; OPERATING SYSTEM: IBM clone  
; SOFTWARE: Microsoft Word

## ; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/671.071B  
; FILING DATE: 06/27/96

## ; CLASSIFICATION: 435

## ; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (314) 962-0064

; TELEFAX: (314) 577-8406

## ; INFORMATION FOR SEQ ID NO: 2:

## ; SEQUENCE CHARACTERISTICS:

; LENGTH: 15 bases

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid

; HYPOTHETICAL: no

; ANTI-SENSE: no

; ORIGINAL SOURCE: Combination of avian or HIV-1 retrovirus

; ORIGINAL SOURCE: DNA, p1AN7 plasmid and pGEM plasmid.

; IMMEDIATE SOURCE: Same as in 2.v1.

## ; FEATURE:

; OTHER INFORMATION: The sequence is the bottom strand of  
; OTHER INFORMATION: M-2 U5 and the pGEM target of the top clone shown in

; OTHER INFORMATION: Figure 14 of original application.

US-08-671-071B-2

Query Match 100.0%; Score 7; DB 1; Length 15;

Best Local Similarity 100.0%; Pred. No. 3.6e+04;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
||:|:  
Db 9 AGTATGA 3

## RESULT 10

US-08-747-121-4/c

; Sequence 4, Application US/08747121

; Patent No. 5874290

## ; GENERAL INFORMATION:

; APPLICANT: Murphy, Gerald

; APPLICANT: Boynton, Alton

; APPLICANT: Sehgal, Anil

; TITLE OF INVENTION: NUCLEOTIDE AND AMINO ACID

; TITLE OF INVENTION: SEQUENCES OF A D2-2 GENE ASSOCIATED WITH

; TITLE OF INVENTION: BRAIN TUMORS AND METHODS BASED THEREON

; NUMBER OF SEQUENCES: 20

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York



```

; TOPOLOGY: linear
; US-08-585-684B-1315
;
; APPLICANT: C. Frank Bennett, Nicholas M. Dean
; TITLE OF INVENTION: OLIGONUCLEOTIDES FOR ENHANCED MODULATION OF
; PROTEIN KINASE C EXPRESSION
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6117847ris, LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 8.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/094,714A
; FILING DATE: June 15, 1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/601,269
; FILING DATE: 14-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/478,178
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/089,996
; FILING DATE: 09-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/852,852
; FILING DATE: 16-MAR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul K. Legaard
; REGISTRATION NUMBER: 38,534
; REFERENCE/DOCKET NUMBER: ISIS-2943
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-094-714A-33
;
; Query Match 100.0%; Score 7; DB 3; Length 15;
; Best Local Similarity 100.0%; Pred. No. 3.6e+04;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 AGTATGA 7
; Db 12 AGTATGA 6
;
; RESULT 15
; US-09-094-714A-34/c
; Sequence 34, Application US/09094714A
; Patent No. 6117847
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett, Nicholas M. Dean
; TITLE OF INVENTION: OLIGONUCLEOTIDES FOR ENHANCED MODULATION OF
; PROTEIN KINASE C EXPRESSION
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6117847ris, LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 8.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/094,714A
; FILING DATE: June 15, 1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/601,269
; FILING DATE: 14-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/478,178
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/089,996
; FILING DATE: 09-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/852,852
; FILING DATE: 16-MAR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul K. Legaard
; REGISTRATION NUMBER: 38,534
; REFERENCE/DOCKET NUMBER: ISIS-2943
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-094-714A-33
;
; Query Match 100.0%; Score 7; DB 2; Length 15;
; Best Local Similarity 100.0%; Pred. No. 3.6e+04;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 AGTATGA 7
; Db 9 AGTATGA 15
;
; RESULT 14
; US-09-094-714A-33/c
; Sequence 33, Application US/09094714A
; Patent No. 6117847
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett, Nicholas M. Dean
; TITLE OF INVENTION: OLIGONUCLEOTIDES FOR ENHANCED MODULATION OF
; PROTEIN KINASE C EXPRESSION
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6117847ris, LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,133
; FILING DATE: 7-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/030,143
; FILING DATE: 11-MAR-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Berridge, William P.
; REGISTRATION NUMBER: 30,024
; REFERENCE/DOCKET NUMBER: WPB 28596A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6400
; TELEFAX: 703-836-2787
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-485-133-28
;
; Query Match 100.0%; Score 7; DB 2; Length 15;
; Best Local Similarity 100.0%; Pred. No. 3.6e+04;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 AGTATGA 7
; Db 9 AGTATGA 15
;
; RESULT 14
; US-09-094-714A-33/c
; Sequence 33, Application US/09094714A
; Patent No. 6117847
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett, Nicholas M. Dean
; TITLE OF INVENTION: OLIGONUCLEOTIDES FOR ENHANCED MODULATION OF
; PROTEIN KINASE C EXPRESSION
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6117847ris, LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,133
; FILING DATE: 7-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/030,143
; FILING DATE: 11-MAR-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Berridge, William P.
; REGISTRATION NUMBER: 30,024
; REFERENCE/DOCKET NUMBER: WPB 28596A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6400
; TELEFAX: 703-836-2787
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-485-133-28
;
; Query Match 100.0%; Score 7; DB 2; Length 15;
; Best Local Similarity 100.0%; Pred. No. 3.6e+04;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 AGTATGA 7
; Db 9 AGTATGA 15
;
; RESULT 14
; US-09-094-714A-33/c
; Sequence 33, Application US/09094714A
; Patent No. 6117847
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett, Nicholas M. Dean
; TITLE OF INVENTION: OLIGONUCLEOTIDES FOR ENHANCED MODULATION OF
; PROTEIN KINASE C EXPRESSION
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6117847ris, LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,133
; FILING DATE: 7-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/030,143
; FILING DATE: 11-MAR-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Berridge, William P.
; REGISTRATION NUMBER: 30,024
; REFERENCE/DOCKET NUMBER: WPB 28596A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6400
; TELEFAX: 703-836-2787
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-485-133-28
;
; Query Match 100.0%; Score 7; DB 2; Length 15;
; Best Local Similarity 100.0%; Pred. No. 3.6e+04;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 AGTATGA 7
; Db 9 AGTATGA 15
;
; RESULT 14
; US-09-094-714A-33/c
; Sequence 33, Application US/09094714A
; Patent No. 6117847
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett, Nicholas M. Dean
; TITLE OF INVENTION: OLIGONUCLEOTIDES FOR ENHANCED MODULATION OF
; PROTEIN KINASE C EXPRESSION
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6117847ris, LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,133
; FILING DATE: 7-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/030,143
; FILING DATE: 11-MAR-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Berridge, William P.
; REGISTRATION NUMBER: 30,024
; REFERENCE/DOCKET NUMBER: WPB 28596A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6400
; TELEFAX: 703-836-2787
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-485-133-28
;
; Query Match 100.0%; Score 7; DB 2; Length 15;
; Best Local Similarity 100.0%; Pred. No. 3.6e+04;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 AGTATGA 7
; Db 9 AGTATGA 15
;
; RESULT 14
; US-09-094-714A-33/c
; Sequence 33, Application US/09094714A
; Patent No. 6117847
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett, Nicholas M. Dean
; TITLE OF INVENTION: OLIGONUCLEOTIDES FOR ENHANCED MODULATION OF
; PROTEIN KINASE C EXPRESSION
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6117847ris, LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
;
; COMPUTER
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; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 8.0
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/094,714A
;   FILING DATE: June 15, 1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/601,269
;   FILING DATE: 14-FEB-1996
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/478,178
;   FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/089,996
;   FILING DATE: 09-JUL-1993
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/852,852
;   FILING DATE: 16-MAR-1992
; ATTORNEY/AGENT INFORMATION:
;   NAME: Paul K. Legaard
;   REGISTRATION NUMBER: 38,534
;   REFERENCE/DOCKET NUMBER: ISIS-2943
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (215) 568-3100
;   TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 34:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 15
;     TYPE: nucleic acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
; US-09-094-714A-34

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Query Match      100.0%; Score 7; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 AGTATGA 7
Db 14 AGTATGA 8

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RESULT 16
US-09-049-190-6/c
; Sequence 6, Application US/09049190
; Patent No. 6190866
; GENERAL INFORMATION:
;   APPLICANT: Nielsen et al.
;   TITLE OF INVENTION: Peptide Nucleic Acids Having
;   TITLE OF INVENTION: Antibacterial Activity
;   NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6190866ris LLP
;   STREET: One Liberty Place - 46th Floor
;   CITY: Philadelphia
;   STATE: PA
;   COUNTRY: U.S.A.
;   ZIP: 19103
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: 3.5 inch disk, 1.44 Mb
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: WordPerfect 6.1
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/049,190
;   FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:
;   FILING DATE:
; ATTORNEY/AGENT INFORMATION:

```

```

; NAME: John W. Caldwell
; REGISTRATION NUMBER: 28,937
; REFERENCE/DOCKET NUMBER: ISIS-2560
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 215-568-3100
;   TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 6:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 15 bases
;     TYPE: nucleic acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 1
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 2
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 3
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 4
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 5
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 6
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 7
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 8
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 9
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 10
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 11
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:
;     NAME/KEY: Modified-site
;     LOCATION: 12
;     OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
;     OTHER INFORMATION: backbone
;   FEATURE:

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; NAME/KEY: Modified-site  
; LOCATION: 13  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 14  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 15  
; OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-lysine-glycine  
; OTHER INFORMATION: backbone  
; US-09-049-190-6

Query Match 100.0%; Score 7; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 10 AGTATGA 4

RESULT 17  
US-09-049-190-7/c  
; Sequence 7, Application US/09049190  
; Patent No. 6190866  
; GENERAL INFORMATION:  
; APPLICANT: Nielsen et al.  
; TITLE OF INVENTION: Peptide Nucleic Acids Having  
; TITLE OF INVENTION: Antibacterial Activity  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: U.S.A.  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch disk, 1.44 Mb  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Wordperfect 6.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/049,190  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: John W. Caldwell  
; REGISTRATION NUMBER: 28,937  
; REFERENCE/DOCKET NUMBER: ISIS-2560  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 bases  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site

US-09-049-190-7

Query Match 100.0%; Score 7; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; LOCATION: 2  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 3  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 4  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 5  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 6  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 7  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 8  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 9  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 10  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 11  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 12  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 13  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 14  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 15  
; OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-lysine-glycine  
; OTHER INFORMATION: backbone  
; US-09-049-190-7

Qy 1 AGTATGA 7  
Db 13 AGTATGA 7

RESULT 18  
US-09-038-073-130  
; Sequence 130, Application US/09038073  
; Patent No. 6194150  
; GENERAL INFORMATION:  
; APPLICANT: Stinchcomb, Daniel T.  
; APPLICANT: Jarvis, Thale  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE  
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE  
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES  
; NUMBER OF SEQUENCES: 2751  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSEQ Version 1.5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/038,073  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/585,684  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 218/078  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 130:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-09-038-073-130

Query Match 100.0%; Score 7; DB 3; Length 15;  
Best Local Similarity 71.4%; Pred. No. 3.6e+04;  
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 5 AGAUGA 11

RESULT 19  
US-09-038-073-1315  
; Sequence 1315, Application US/09038073  
; Patent No. 6194150  
; GENERAL INFORMATION:  
; APPLICANT: Stinchcomb, Daniel T.  
; APPLICANT: Jarvis, Thale  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE  
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE

; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES  
; NUMBER OF SEQUENCES: 2751  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSEQ Version 1.5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/038,073  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/585,684  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 218/078  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 1315:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-09-038-073-1315

Query Match 100.0%; Score 7; DB 3; Length 15;  
Best Local Similarity 71.4%; Pred. No. 3.6e+04;  
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 5 AGAUGA 11

RESULT 20  
US-08-932-140C-6/C  
; Sequence 6, Application US/08932140C  
; Patent No. 6300318  
; GENERAL INFORMATION:  
; APPLICANT: Nielsen et al.  
; TITLE OF INVENTION: Peptide Nucleic Acids Having  
; TITLE OF INVENTION: Antibacterial Activity  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; ADDRESSEE: No. 6300318ris LLP  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: U.S.A.  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Microsoft Word  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/932,140C  
; FILING DATE: September 16, 1997  
; CLASSIFICATION:

```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: John W. Caldwell
; REGISTRATION NUMBER: 28,937
; REFERENCE/DOCKET NUMBER: ISIS-2560
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 2
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 3
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 4
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 5
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 6
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 7
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 8
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 9
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 10
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 11
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 12
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 13
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 14
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
; OTHER INFORMATION: backbone
;

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```

; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 15
; OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-
; OTHER INFORMATION: lysine-glycine backbone
; US-08-932-140C-6
;
; Query Match 100.0%; Score 7; DB 3; Length 15;
; Best Local Similarity 100.0%; Pred. No. 3.6e+04;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 AGTATGA 7
; Db 10 AGTATGA 4
;
; RESULT 21
; US-08-932-140C-7/c
; Sequence 7, Application US/08932140C
; Patent No. 6300318
; GENERAL INFORMATION:
; APPLICANT: Nielsen et al.
; TITLE OF INVENTION: Peptide Nucleic Acids Having
; TITLE OF INVENTION: Antibacterial Activity
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: No. 6300318ris LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/932,140C
; FILING DATE: September 16, 1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: John W. Caldwell
; REGISTRATION NUMBER: 28,937
; REFERENCE/DOCKET NUMBER: ISIS-2560
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
; OTHER INFORMATION: backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 2
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
; OTHER INFORMATION: backbone
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 3
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
; OTHER INFORMATION: backbone
;

```

FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 4  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 5  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 6  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 7  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 8  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 9  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 10  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 11  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 12  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 13  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 14  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 15  
OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-  
OTHER INFORMATION: lysine-glycine backbone  
US-08-932-140C-7

Query Match 100.0%; Score 7; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7  
| | | | |  
DB 13 AGTATGA 7

RESULT 22  
US-09-253-977-2/c

; Sequence 2, Application US/09253977A  
; Patent No. 6316261  
; GENERAL INFORMATION:  
; APPLICANT: Grandgenett, Duane P.  
; TITLE OF INVENTION: Method for Analyzing Concerted Integration of DNA Donor  
; TITLE OF INVENTION: Molecules into Target DNA and the Enzymes that Perform  
; TITLE OF INVENTION: this Concerted Integration Reaction  
; FILE REFERENCE: 16153-8244  
; CURRENT APPLICATION NUMBER: US/09/253,977A  
; CURRENT FILING DATE: 1998-09-21  
; EARLIER APPLICATION NUMBER: 08/671,071  
; EARLIER FILING DATE: 1996-06-27  
; EARLIER APPLICATION NUMBER: 08/247,089  
; EARLIER FILING DATE: 1994-05-20  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 15  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Combination  
; OTHER INFORMATION: of avian or HIV-1 retrovirus DNA and pIAN7 plasmid  
US-09-253-977-2

Query Match 100.0%; Score 7; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7  
| | | | |  
DB 9 AGTATGA 3

RESULT 23

US-09-272-343-1/c  
; Sequence 1, Application US/09272343  
; Patent No. 6596508  
; GENERAL INFORMATION:  
; APPLICANT: DUROCHER, Yves  
; TITLE OF INVENTION: CRE-INDUCIBLE EXPRESSION SYSTEM  
; FILE REFERENCE: 2139-13US FC  
; CURRENT APPLICATION NUMBER: US/09/272,343  
; CURRENT FILING DATE: 1999-03-19  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 15  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: endogenous CRE sequence of VIP promoter  
US-09-272-343-1

Query Match 100.0%; Score 7; DB 4; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7  
| | | | |  
DB 9 AGTATGA 3

RESULT 24

US-09-272-343-2  
; Sequence 2, Application US/09272343  
; Patent No. 6596508  
; GENERAL INFORMATION:  
; APPLICANT: DUROCHER, Yves  
; TITLE OF INVENTION: CRE-INDUCIBLE EXPRESSION SYSTEM  
; FILE REFERENCE: 2139-13US FC  
; CURRENT APPLICATION NUMBER: US/09/272,343  
; CURRENT FILING DATE: 1999-03-19

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; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CRE sequence of VIP promoter
US-09-272-343-2

Query Match      100.0%; Score 7; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 AGTATGA 7
      |||||
Db      7 AGTATGA 13

RESULT 25
US-09-486-623C-6/c
; Sequence 6, Application US/09486623C
; Patent No. 6734161
; GENERAL INFORMATION:
; APPLICANT: Nielsen, Peter E.
; TITLE OF INVENTION: Peptide Nucleic Acids Having Antibacterial Activity
; FILE REFERENCE: ISIS-3292
; CURRENT APPLICATION NUMBER: US/09/486,623C
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 08/932,140
; PRIOR FILING DATE: 1997-09-16
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
; NAME/KEY: misc feature
; LOCATION: (1)..(14)
; OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-lysine-glycine
US-09-486-623C-6

Query Match      100.0%; Score 7; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 AGTATGA 7
      |||||
Db      10 AGTATGA 4

RESULT 26
US-09-486-623C-7/c
; Sequence 7, Application US/09486623C
; Patent No. 6734161
; GENERAL INFORMATION:
; APPLICANT: Nielsen, Peter E.
; TITLE OF INVENTION: Peptide Nucleic Acids Having Antibacterial Activity
; FILE REFERENCE: ISIS-3292
; CURRENT APPLICATION NUMBER: US/09/486,623C
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 08/932,140
; PRIOR FILING DATE: 1997-09-16
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
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; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(14)
; OTHER INFORMATION: N-acetyl (2-aminoethyl) glycine
US-09-486-623C-7

Query Match      100.0%; Score 7; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 AGTATGA 7
      |||||
Db      13 AGTATGA 7

RESULT 27
US-07-977-284A-59/c
; Sequence 59, Application US/07977284A
; Patent No. 5558988
; GENERAL INFORMATION:
; APPLICANT: Prockop, Darwin J.
; APPLICANT: Ala-kokko, Leena
; APPLICANT: Williams, Charlene J.
; APPLICANT: Ritvaniemi, Pertti
; APPLICANT: Baldwin, Clinton
; APPLICANT: Hopkinson, Ian
; APPLICANT: Ahmad, Nilofex Nina
; TITLE OF INVENTION: METHODS OF DETECTING A GENETIC
; OTHER INFORMATION: PREDISPOSITION FOR OSTEOARTHRITIS
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5558988ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,284A
; FILING DATE: 13-NOV-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-0697
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; ANTI-SENSE: NO
US-07-977-284A-59
```

Query Match 100.0%; Score 7; DB 1; Length 16;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 9 AGTATGA 3

## RESULT 28

US-08-719-593-24  
; Sequence 24, Application US/08719593  
; Patent No. 5741706  
; GENERAL INFORMATION:  
; APPLICANT: Leavitt, Markley Carl  
; APPLICANT: Duarte, Elizabeth  
; APPLICANT: Tritz, Richard  
; APPLICANT: Barber, Jack R.  
; APPLICANT: Yu, Mang  
; TITLE OF INVENTION: No. 5741706el Anti-HIV Ribozymes  
; NUMBER OF SEQUENCES: 35  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/719.593  
; FILING DATE: No. 5741706 yet assigned  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Weber, Kenneth A.  
; REGISTRATION NUMBER: 31,677  
; REFERENCE/DOCKET NUMBER: 016556-000810US  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 24:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 16 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: RNA (genomic)  
; FEATURE:  
; NAME/KEY: -  
; LOCATION: 1..16  
; OTHER INFORMATION: /note="HIV target sequence for  
; OTHER INFORMATION: anti-2425 GUA ribozyme target site"  
US-08-719-593-24

Query Match 100.0%; Score 7; DB 1; Length 16;  
Best Local Similarity 71.4%; Pred. No. 3.6e+04;  
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 5 AGUAUGA 11

## RESULT 29

US-08-256-426B-59/c  
; Sequence 59, Application US/08256426B  
; Patent No. 5948611  
; GENERAL INFORMATION:

; APPLICANT: Prockop, Darwin J.  
; APPLICANT: Ala-Kokko, Leena  
; APPLICANT: Williams, Charlene J.  
; APPLICANT: Ritvaniemi, Pertti  
; APPLICANT: Baldwin, Clinton  
; APPLICANT: Hopkinson, Ian  
; APPLICANT: Ahmad, Nilofar Nina  
; TITLE OF INVENTION: Methods of Detecting A Genetic  
; NUMBER OF SEQUENCES: 293  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5948611ris  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows 3.1  
; SOFTWARE: WORDPERFECT 6.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/256.426B  
; FILING DATE: 03-FEB-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US93/10964  
; FILING DATE: 12-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/977,284  
; FILING DATE: 13-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mark Deluca  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: TJU-1082  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 568-3100  
; TELEFAX: (215) 568-3439  
; INFORMATION FOR SEQ ID NO: 59:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 16  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: SINGLE  
; TOPOLOGY: LINEAR  
; ANTI-SENSE: NO  
US-08-256-426B-59

Query Match 100.0%; Score 7; DB 2; Length 16;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTATGA 7  
Db 9 AGTATGA 3

## RESULT 30

US-08-458-814-1  
; Sequence 1, Application US/08458814  
; Patent No. 6103243  
; GENERAL INFORMATION:  
; APPLICANT: RUSSELL-JONES, Gregory J  
; APPLICANT: DE AIZPURA, Henry J  
; APPLICANT: HOME, Peter  
; APPLICANT: RAND, Keith N  
; TITLE OF INVENTION: ORAL VACCINES  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 3000 K Street, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA

```
;
;
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/458,814
; FILING DATE: 02-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/327,822
; FILING DATE: 18-OCT-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/AU86/00135
; FILING DATE: 14-MAY-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PH3104
; FILING DATE: 25-OCT-1985
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PH0566
; FILING DATE: 15-MAY-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 60042/155/BIAU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 672 5300
; TELEFAX: 202 672 5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: other nucleic acid
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..12
;
US-08-458-814-1
;
;
; Query Match 100.0%; Score 7; DB 3; Length 16;
; Best Local Similarity 100.0%; Pred. No. 3.6e+04;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
Qy 1 AGTATGA 7
Db 4 AGTATGA 10
;
;
RESULT 31
US-09-479-005A-125
; Sequence 125, Application US/09479005A
; Patent No. 6656731
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity
; FILE REFERENCE: MBH00-884-C
; CURRENT APPLICATION NUMBER: US/09/479,005A
; PRIOR APPLICATION NUMBER: US 09/444,209
; PRIOR FILING DATE: 2000-01-07
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: US 09/159,274
; PRIOR FILING DATE: 1998-09-22
; PRIOR FILING DATE: 1997-09-22
; NUMBER OF SEQ ID NOS: 1208
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 125
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
;
US-09-479-005A-125
;
;
; Query Match 100.0%; Score 7; DB 4; Length 16;
; Best Local Similarity 71.4%; Pred. No. 3.6e+04;
; Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
Qy 1 AGTATGA 7
Db 2 AGUAUGA 8
;
;
RESULT 33
US-08-390-850-461
; Sequence 461, Application US/08390850
; Patent No. 5612215
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Gustofson, John T.
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
; TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
; NUMBER OF SEQUENCES: 1151
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
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;
;
; ORGANISM: Homo sapiens
;
US-09-479-005A-125
;
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; Query Match 100.0%; Score 7; DB 4; Length 16;
; Best Local Similarity 71.4%; Pred. No. 3.6e+04;
; Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AGTATGA 7
Db 6 AGUAUGA 12
;
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RESULT 32
US-09-479-005A-126
; Sequence 126, Application US/09479005A
; Patent No. 6656731
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity
; FILE REFERENCE: MBH00-884-C
; CURRENT APPLICATION NUMBER: US/09/479,005A
; CURRENT FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: US 09/444,209
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: US 09/159,274
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: US 60/059,473
; PRIOR FILING DATE: 1997-09-22
; NUMBER OF SEQ ID NOS: 1208
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 126
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
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US-09-479-005A-126
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; Query Match 100.0%; Score 7; DB 4; Length 16;
; Best Local Similarity 71.4%; Pred. No. 3.6e+04;
; Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AGTATGA 7
Db 2 AGUAUGA 8
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RESULT 33
US-08-390-850-461
; Sequence 461, Application US/08390850
; Patent No. 5612215
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Gustofson, John T.
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
; TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
; NUMBER OF SEQUENCES: 1151
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/08/390.850
; FILING DATE: February 17, 1995
; PRIOR APPLICATION DATA: 08/354,920
; FILING DATE: December 13, 1994
; APPLICATION NUMBER: 08/152,487
; FILING DATE: No. 5612215ember 12, 1993
; APPLICATION NUMBER: 07/989,848
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 211/084
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 461:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-390-850-461

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Query Match 100.0%; Score 7; DB 1; Length 17;
Best Local Similarity 71.4%; Pred. No. 3.6e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGTATGA 7
Db 6 AGUAUGA 12

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RESULT 34
US-08-435-634-461
; Sequence 461, Application US/08435634
; Patent No. 5731295

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; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Gustofson, John
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
; OF ARTHRITIC CONDITIONS
; NUMBER OF SEQUENCES: 1151
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
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; APPLICATION NUMBER: US/08/435,634
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/390,850
; FILING DATE: February 17, 1995
; APPLICATION NUMBER: 08/354,920
; FILING DATE: December 13, 1994
; APPLICATION NUMBER: 08/152,487
; FILING DATE: No. 5731295ember 12, 1993
; APPLICATION NUMBER: 07/989,848

```

```

; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 211/084
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 461:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-435-634-461

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Query Match 100.0%; Score 7; DB 1; Length 17;
Best Local Similarity 71.4%; Pred. No. 3.6e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGTATGA 7
Db 6 AGUAUGA 12

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RESULT 35
US-08-758-306-365/c
; Sequence 365, Application US/08758306
; Patent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: McSwiggen, James A.
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TREATMENT OF DISEASES
; TITLE OF INVENTION: ASSOCIATED WITH
; INTERLEUKIN-2 RECEPTOR
; NUMBER OF SEQUENCES: 1379
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/758,306
; FILING DATE: December 3, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 212/132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 365:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single

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STREET: Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/758,306  
FILING DATE: December 3, 1996  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 212/132  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 371:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-758-306-371

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Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7  
DB 8 AGTATGA 2

RESULT 39  
US-08-758-306-813/c  
Sequence 813, Application US/08758306  
Patent No. 5807743  
GENERAL INFORMATION:  
APPLICANT: Stinchcomb, Dan T.  
TITLE OF INVENTION: METHOD AND REAGENT FOR THE  
TREATMENT OF DISEASES  
TITLE OF INVENTION: ASSOCIATED WITH  
INTERLEUKIN-2 RECEPTOR  
TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION  
NUMBER OF SEQUENCES: 1379  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/758,306  
FILING DATE: December 3, 1996

CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 212/132  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 813:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-758-306-813

Query Match 100.0%; Score 7; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7  
DB 14 AGTATGA 8

RESULT 40  
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Sequence 815, Application US/08758306  
Patent No. 5807743  
GENERAL INFORMATION:  
APPLICANT: Stinchcomb, Dan T.  
TITLE OF INVENTION: METHOD AND REAGENT FOR THE  
TREATMENT OF DISEASES  
TITLE OF INVENTION: ASSOCIATED WITH  
INTERLEUKIN-2 RECEPTOR  
TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION  
NUMBER OF SEQUENCES: 1379  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/758,306  
FILING DATE: December 3, 1996  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 212/132  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 815:  
SEQUENCE CHARACTERISTICS:

; LENGTH: 17 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-758-306-815

Query Match 100.0%; Score 7; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.6e+04;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 11 AGTATGA 5

Search completed: July 12, 2005, 21:41:26  
Job time : 42.2911 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 18:12:19 ; Search time 254.392 Seconds  
(without alignments)  
222.117 Million cell updates/sec

Title: US-09-540-843-1

Perfect score: 9

Sequence: 1 gagtatgag 9

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 6330945 seqs, 3139162390 residues

Total number of hits satisfying chosen parameters: 7146590

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	9	100.0	9	14	US-10-122-633-1
c 3	9	100.0	10	21	US-10-818-158-2
c 4	9	100.0	12	15	US-10-150-779A-15
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c 6	9	100.0	12	20	US-10-257-017B-305165
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## ALIGNMENTS

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RESULT 1
US-10-122-630-1
; Sequence 1, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Yaar, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-018
; CURRENT APPLICATION NUMBER: US/10/122.630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-1

```

```

Query Match      100.0%; Score 9; DB 14; Length 9;
Best Local Similarity 100.0%; Pred. No. 6.9e+08;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GAGTATGAG 9
      |||||
Db      1 GAGTATGAG 9

```

```

RESULT 2
US-10-122-633-1
; Sequence 1, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.

```

```

; APPLICANT: Eller, Mark S.
; APPLICANT: Yaar, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-019
; CURRENT APPLICATION NUMBER: US/10/122.633
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-1

```

```

Query Match      100.0%; Score 9; DB 14; Length 9;
Best Local Similarity 100.0%; Pred. No. 6.9e+08;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 GAGTATGAG 9
      |||||
Db      1 GAGTATGAG 9

```

```

RESULT 3
US-10-818-158-2/c
; Sequence 2, Application US/10818158
; Publication No. US20050020526A1
; GENERAL INFORMATION:
; APPLICANT: TAN, XIN XING
; TITLE OF INVENTION: OLIGODEOXYNUCLEOTIDE INTERVENTION FOR PREVENTION AND
; TITLE OF INVENTION: TREATMENT OF SEPSIS
; FILE REFERENCE: CHYA,025-C-CIP
; CURRENT APPLICATION NUMBER: US/10/818,158
; CURRENT FILING DATE: 2004-04-05
; PRIOR APPLICATION NUMBER: 10/743,956
; PRIOR FILING DATE: 2003-12-23
; PRIOR APPLICATION NUMBER: 10/453,410
; PRIOR FILING DATE: 2003-06-03
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin ver. 3.2
; SEQ ID NO 2
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-818-158-2

```

```

Query Match      100.0%; Score 9; DB 21; Length 10;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 GAGTATGAG 9
      |||||
Db      9 GAGTATGAG 1

```

```

RESULT 4
US-10-150-779A-15/c
; Sequence 15, Application US/10150779A
; Publication No. US20030125241A1
; GENERAL INFORMATION:
; APPLICANT: WISENBACH, MARGIT
; APPLICANT: KOCH, TROELS

```

```
; APPLICANT: ORUM, HENRICK
; APPLICANT: HANSEN, BO
; TITLE OF INVENTION: THERAPEUTIC USES OF LNA-MODIFIED OLIGONUCLEOTIDES IN
; FILE OF INVENTION: INFECTIOUS DISEASES
; FILE REFERENCE: 55704 (45120)
; CURRENT APPLICATION NUMBER: US/10/150,779A
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: 60/291,830
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-150-779A-15

Query Match      100.0%; Score 9; DB 15; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GAGTATGAG 9
Db      12 GAGTATGAG 4

RESULT 5
US-10-150-779A-16/c
; Sequence 16, Application US/10150779A
; Publication No. US20030125241A1
; GENERAL INFORMATION:
; APPLICANT: WISSENBACH, MARGIT
; APPLICANT: KOCH, TROELS
; APPLICANT: ORUM, HENRICK
; APPLICANT: HANSEN, BO
; TITLE OF INVENTION: THERAPEUTIC USES OF LNA-MODIFIED OLIGONUCLEOTIDES IN
; FILE OF INVENTION: INFECTIOUS DISEASES
; FILE REFERENCE: 55704 (45120)
; CURRENT APPLICATION NUMBER: US/10/150,779A
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: 60/291,830
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-150-779A-16

Query Match      100.0%; Score 9; DB 15; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GAGTATGAG 9
Db      12 GAGTATGAG 4

RESULT 6
US-10-257-017B-305165
; Sequence 305165, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 305165
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021329
US-10-257-017B-305165

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GAGTATGAG 9
Db      1 GAGTATGAG 9

RESULT 7
US-10-257-017B-306811
; Sequence 306811, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306811
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022179
US-10-257-017B-306811

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GAGTATGAG 9
Db      3 GAGTATGAG 11

RESULT 8
US-10-257-017B-306812
; Sequence 306812, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 306812  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022179  
US-10-257-017B-306812

Query Match 100.0%; Score 9; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
| | | | | | | |  
Db 3 GAGTATGAG 11

## RESULT 9

US-10-257-017B-321106  
; Sequence 321106, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 321106  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030074  
US-10-257-017B-321106

Query Match 100.0%; Score 9; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
| | | | | | | |  
Db 2 GAGTATGAG 10

## RESULT 10

US-10-257-017B-326072  
; Sequence 326072, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 326072  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032886

US-10-257-017B-326072

Query Match 100.0%; Score 9; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
| | | | | | | |  
Db 4 GAGTATGAG 12

## RESULT 11

US-10-257-017B-347990/c  
; Sequence 347990, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 347990  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045390  
US-10-257-017B-347990

Query Match 100.0%; Score 9; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
| | | | | | | |  
Db 10 GAGTATGAG 2

## RESULT 12

US-10-257-017B-30005  
; Sequence 30005, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 30005  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009039  
US-10-257-017B-30005

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9



```
Db          |||||
            4 GAGTATGAG 12

RESULT 13
US-10-257-017B-30006/c
; Sequence 30006, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009039
US-10-257-017B-30006

Query Match          100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 10 GAGTATGAG 2

RESULT 14
US-10-257-017B-37157
; Sequence 37157, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 37157
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011603
US-10-257-017B-37157

Query Match          100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 3 GAGTATGAG 11

RESULT 15
US-10-257-017B-37158/c
; Sequence 37158, Application US/10257017B
```

```
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 37158
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011603
US-10-257-017B-37158

Query Match          100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 11 GAGTATGAG 3

RESULT 16
US-10-257-017B-41315
; Sequence 41315, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41315
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012414
US-10-257-017B-41315

Query Match          100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 5 GAGTATGAG 13

RESULT 17
US-10-257-017B-41316/c
; Sequence 41316, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 41316  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012414  
US-10-257-017B-41316

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 9 GAGTATGAG 1

RESULT 18  
US-10-257-017B-48109  
; Sequence 48109, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 48109  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013750  
US-10-257-017B-48109

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 5 GAGTATGAG 13

RESULT 19  
US-10-257-017B-48110/c  
; Sequence 48110, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 48110

; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013750  
US-10-257-017B-48110

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 9 GAGTATGAG 1

RESULT 20  
US-10-257-017B-51877  
; Sequence 51877, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 51877  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014452  
US-10-257-017B-51877

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 3 GAGTATGAG 11

RESULT 21  
US-10-257-017B-51878/c  
; Sequence 51878, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 51878  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014452  
US-10-257-017B-51878

```
Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
Db 11 GAGTATGAG 3

RESULT 22
US-10-257-017B-51881
; Sequence 51881, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51881
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014452
US-10-257-017B-51881

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
Db 3 GAGTATGAG 11

RESULT 23
US-10-257-017B-51882/c
; Sequence 51882, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51882
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014452
US-10-257-017B-51882

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
Db 11 GAGTATGAG 3
```

```
RESULT 24
US-10-257-017B-78847
; Sequence 78847, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 78847
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020072
US-10-257-017B-78847

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
Db 1 GAGTATGAG 9

RESULT 25
US-10-257-017B-78848/c
; Sequence 78848, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 78848
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020072
US-10-257-017B-78848

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
Db 13 GAGTATGAG 5

RESULT 26
US-10-257-017B-99307
; Sequence 99307, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 99307
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024674
US-10-257-017B-99307

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
Db 3 GAGTATGAG 11

RESULT 27
US-10-257-017B-99308/c
; Sequence 99308, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 99308
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024674
US-10-257-017B-99308

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
Db 11 GAGTATGAG 3

RESULT 28
US-10-257-017B-109005
; Sequence 109005, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 109005
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027285
US-10-257-017B-109005

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
Db 2 GAGTATGAG 10

RESULT 29
US-10-257-017B-109006/c
; Sequence 109006, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 109006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027285
US-10-257-017B-109006

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
Db 12 GAGTATGAG 4

RESULT 30
US-10-257-017B-115707
; Sequence 115707, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115707
; LENGTH: 13
; TYPE: DNA
```

; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029004  
US-10-257-017B-115707

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
| | | | | | | |  
Db 3 GAGTATGAG 11

## RESULT 31

US-10-257-017B-115708/c  
; Sequence 115708, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 115708  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029004  
US-10-257-017B-115708

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
| | | | | | | |  
Db 11 GAGTATGAG 3

## RESULT 32

US-10-257-017B-117597  
; Sequence 117597, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 117597  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029403  
US-10-257-017B-117597

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GAGTATGAG 9  
| | | | | | | |  
Db 5 GAGTATGAG 13

## RESULT 33

US-10-257-017B-117598/c  
; Sequence 117598, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 117598  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029403  
US-10-257-017B-117598

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
| | | | | | | |  
Db 9 GAGTATGAG 1

## RESULT 34

US-10-257-017B-120569  
; Sequence 120569, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 120569  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030082  
US-10-257-017B-120569

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 2.7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
| | | | | | | |  
Db 1 GAGTATGAG 9

```
RESULT 35
US-10-257-017B-120570/c
; Sequence 120570, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120570
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030082
US-10-257-017B-120570

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 13 GAGTATGAG 5

RESULT 36
US-10-257-017B-120573
; Sequence 120573, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120573
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030082
US-10-257-017B-120573

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 13 GAGTATGAG 5

RESULT 37
US-10-257-017B-120574/c
; Sequence 120574, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120574
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030082
US-10-257-017B-120574

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 13 GAGTATGAG 5

RESULT 38
US-10-257-017B-148813
; Sequence 148813, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148813
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037562
US-10-257-017B-148813

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 3 GAGTATGAG 11

RESULT 39
US-10-257-017B-148814/c
; Sequence 148814, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```

; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148814
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037562
US-10-257-017B-148814

```

```

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 GAGTATGAG 9
DB      11 GAGTATGAG 3

```

```

RESULT 40
US-10-257-017B-156043
; Sequence 156043, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 156043
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039372
US-10-257-017B-156043

```

```

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 GAGTATGAG 9
DB      4 GAGTATGAG 12

```

```

Search completed: July 13, 2005, 04:11:08
Job time : 256.392 secs

```

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 18:12:19 ; Search time 169.595 Seconds

(without alignments)

222.117 Million cell updates/sec

Title: US-09-540-843-11

Perfect score: 6

Sequence: 1 ttaggg 6

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 6330945 seqs, 3139162390 residues

Total number of hits satisfying chosen parameters: 7146590

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq.\*

2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq.\*

3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*

4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*

5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*

6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq.\*

7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq.\*

8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*

9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq.\*

10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq.\*

11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq.\*

12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*

13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*

14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*

15: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*

16: /cgn2\_6/ptodata/2/pubpna/US10D\_PUBCOMB.seq.\*

17: /cgn2\_6/ptodata/2/pubpna/US10E\_PUBCOMB.seq.\*

18: /cgn2\_6/ptodata/2/pubpna/US10F\_PUBCOMB.seq.\*

19: /cgn2\_6/ptodata/2/pubpna/US10G\_PUBCOMB.seq.\*

20: /cgn2\_6/ptodata/2/pubpna/US10H\_PUBCOMB.seq.\*

21: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq.\*

22: /cgn2\_6/ptodata/2/pubpna/US10J\_PUBCOMB.seq.\*

23: /cgn2\_6/ptodata/2/pubpna/US11A\_PUBCOMB.seq.\*

24: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*

25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*

26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	6	100.0	6	9	US-09-817-387-29
2	6	100.0	6	9	US-09-735-363A-49
3	6	100.0	6	9	US-09-907-279-2
4	6	100.0	6	9	US-09-730-893-1
5	6	100.0	6	10	US-09-940-173A-1
6	6	100.0	6	14	US-10-122-630-11
7	6	100.0	6	14	US-10-122-630-12
Sequence 29, Appl					
Sequence 49, Appl					
Sequence 2, Appl					
Sequence 1, Appl					
Sequence 1, Appl					
Sequence 11, Appl					
Sequence 12, Appl					

8	6	100.0	6	14	US-10-122-633-11	Sequence 11, Appl
9	6	100.0	6	14	US-10-122-633-12	Sequence 12, Appl
10	6	100.0	6	15	US-10-255-535-8	Sequence 8, Appl
11	6	100.0	6	15	US-10-336-265-1	Sequence 1, Appl
12	6	100.0	6	15	US-10-336-265-3	Sequence 3, Appl
13	6	100.0	6	15	US-10-336-265-4	Sequence 4, Appl
14	6	100.0	6	15	US-10-336-265-63	Sequence 63, Appl
15	6	100.0	6	15	US-10-336-265-64	Sequence 64, Appl
16	6	100.0	6	16	US-10-232-927A-9	Sequence 9, Appl
17	6	100.0	6	16	US-10-232-927A-27	Sequence 27, Appl
18	6	100.0	6	17	US-10-382-754B-3	Sequence 3, Appl
19	6	100.0	6	17	US-10-355-388-3	Sequence 3, Appl
20	6	100.0	6	19	US-10-181-823-13	Sequence 13, Appl
21	6	100.0	6	19	US-10-705-531-15	Sequence 15, Appl
22	6	100.0	6	19	US-10-705-531-16	Sequence 16, Appl
23	6	100.0	6	19	US-10-752-123-1	Sequence 1, Appl
24	6	100.0	6	20	US-10-775-818-1	Sequence 1, Appl
25	6	100.0	6	20	US-10-862-698-7	Sequence 7, Appl
26	6	100.0	6	21	US-10-866-392-1	Sequence 1, Appl
27	6	100.0	7	9	US-09-730-893-6	Sequence 6, Appl
28	6	100.0	7	10	US-09-940-173A-6	Sequence 6, Appl
29	6	100.0	7	20	US-10-775-818-6	Sequence 6, Appl
30	6	100.0	8	9	US-09-730-893-4	Sequence 4, Appl
31	6	100.0	8	10	US-09-940-173A-4	Sequence 4, Appl
32	6	100.0	8	15	US-10-336-265-58	Sequence 58, Appl
33	6	100.0	8	20	US-10-775-818-4	Sequence 4, Appl
34	6	100.0	9	9	US-09-728-574-19	Sequence 19, Appl
35	6	100.0	10	13	US-10-033-145-56	Sequence 56, Appl
36	6	100.0	10	13	US-10-033-145-358	Sequence 358, App
37	6	100.0	10	13	US-10-033-145-613	Sequence 613, App
38	6	100.0	10	13	US-10-033-145-1694	Sequence 1694, Ap
39	6	100.0	10	14	US-10-044-692-294	Sequence 294, App
40	6	100.0	10	15	US-10-044-539-294	Sequence 41, Appl
41	6	100.0	10	16	US-10-390-045-41	Sequence 92, Appl
42	6	100.0	10	16	US-10-330-627-92	Sequence 1296, Ap
43	6	100.0	10	16	US-10-330-627-1296	Sequence 1297, Ap
44	6	100.0	10	16	US-10-330-627-1297	Sequence 1298, Ap
45	6	100.0	10	16	US-10-330-627-1298	Sequence 1298, Ap
46	6	100.0	10	16	US-10-330-627-1439	Sequence 1439, Ap
47	6	100.0	10	17	US-10-325-810-527	Sequence 527, App
48	6	100.0	10	18	US-10-434-479-41	Sequence 41, Appl
49	6	100.0	10	19	US-10-816-079-38	Sequence 38, Appl
50	6	100.0	10	20	US-10-877-124-527	Sequence 527, App
51	6	100.0	10	20	US-10-877-022-527	Sequence 527, App
52	6	100.0	10	21	US-10-877-146-527	Sequence 527, App
53	6	100.0	10	21	US-10-489-183-10	Sequence 10, Appl
54	6	100.0	11	9	US-09-828-211A-4	Sequence 4, Appl
55	6	100.0	11	9	US-09-057-351-2	Sequence 2, Appl
56	6	100.0	11	10	US-09-835-370-63	Sequence 63, Appl
57	6	100.0	11	10	US-09-249-155-57	Sequence 57, Appl
58	6	100.0	11	10	US-09-942-310-7	Sequence 7, Appl
59	6	100.0	11	10	US-09-942-310-44	Sequence 44, Appl
60	6	100.0	11	14	US-10-122-630-5	Sequence 5, Appl
61	6	100.0	11	14	US-10-122-630-9	Sequence 9, Appl
62	6	100.0	11	14	US-10-122-633-5	Sequence 5, Appl
63	6	100.0	11	14	US-10-122-633-9	Sequence 9, Appl
64	6	100.0	11	14	US-10-038-335-9	Sequence 9, Appl
65	6	100.0	11	15	US-10-255-535-4	Sequence 4, Appl
66	6	100.0	11	15	US-10-255-535-14	Sequence 14, Appl
67	6	100.0	11	16	US-10-359-935-2	Sequence 2, Appl
68	6	100.0	11	17	US-10-463-076-1	Sequence 1, Appl
69	6	100.0	11	17	US-10-314-322-57	Sequence 57, Appl
70	6	100.0	11	17	US-10-314-322-271	Sequence 271, App
71	6	100.0	11	18	US-10-297-058-20	Sequence 20, Appl
72	6	100.0	11	19	US-10-181-823-16	Sequence 16, Appl
73	6	100.0	11	19	US-10-181-823-20	Sequence 20, Appl
74	6	100.0	11	19	US-10-450-797-1287	Sequence 1287, Ap
75	6	100.0	11	20	US-10-863-999-63	Sequence 63, Appl
76	6	100.0	11	21	US-10-831-266-1	Sequence 1, Appl
77	6	100.0	11	21	US-10-831-267-1	Sequence 1, Appl
78	6	100.0	11	21	US-10-967-755-1	Sequence 1, Appl
79	6	100.0	11	21	US-10-901-425-704	Sequence 704, App
80	6	100.0	11	21	US-10-901-425-765	Sequence 765, App

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c 81      6 100.0 12 8 US-08-463-404-2      Sequence 2, Appli
c 82      6 100.0 12 8 US-08-463-404-3      Sequence 3, Appli
c 83      6 100.0 12 8 US-08-463-404-7      Sequence 7, Appli
c 84      6 100.0 12 9 US-09-057-351-39      Sequence 39, Appli
c 85      6 100.0 12 9 US-09-968-355-1      Sequence 1, Appli
c 86      6 100.0 12 9 US-09-375-924C-6      Sequence 6, Appli
c 87      6 100.0 12 10 US-09-984-664-11      Sequence 11, Appli
c 88      6 100.0 12 14 US-10-132-002-1      Sequence 1, Appli
c 89      6 100.0 12 14 US-10-132-002-3      Sequence 3, Appli
c 90      6 100.0 12 14 US-10-073-118-18      Sequence 18, Appli
c 91      6 100.0 12 14 US-10-117-108A-41      Sequence 41, Appli
c 92      6 100.0 12 14 US-10-117-108A-53      Sequence 53, Appli
c 93      6 100.0 12 16 US-10-359-935-39      Sequence 39, Appli
c 94      6 100.0 12 16 US-10-323-032-2      Sequence 2, Appli
c 95      6 100.0 12 16 US-10-323-032-3      Sequence 3, Appli
c 96      6 100.0 12 16 US-10-232-927A-18      Sequence 18, Appli
c 97      6 100.0 12 16 US-10-232-927A-19      Sequence 19, Appli
c 98      6 100.0 12 16 US-10-232-927A-26      Sequence 26, Appli
c 99      6 100.0 12 19 US-10-682-130-4      Sequence 4, Appli
c 100     6 100.0 12 19 US-10-600-581-11      Sequence 11, Appli
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## ALIGNMENTS

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RESULT 1
US-09-817-387-29
; Sequence 29, Application US/09817387
; Patent No. US20010039263A1
; GENERAL INFORMATION:
; APPLICANT: Max-Delbruck-Centrum fur Molekulare Medizin
; TITLE OF INVENTION: Chimeric Oligonucleotides and the Use Thereof
; FILE REFERENCE: 101195-24
; CURRENT APPLICATION NUMBER: US/09/817,387
; CURRENT FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: DE 197 20 151.2
; PRIOR FILING DATE: 1997-05-02
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: telomeric
; OTHER INFORMATION: DNA of man
US-09-817-387-29
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Query Match      100.0%; Score 6; DB 9; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 TTAGGG 6
        |||||
Db      1 TTAGGG 6
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RESULT 2
US-09-735-363A-49
; Sequence 49, Application US/09735363A
; Patent No. US20010041681A1
; GENERAL INFORMATION:
; APPLICANT: Fillon, Mario
; APPLICANT: Phillip, Nigel
; TITLE OF INVENTION: Therapeutically Useful Synthetic Oligonucleotides
; FILE REFERENCE: 02811-0181
; CURRENT APPLICATION NUMBER: US/09/735.363A
; CURRENT FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/170,325
; PRIOR FILING DATE: 1999-12-13
; PRIOR APPLICATION NUMBER: 60/228,925
; PRIOR FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 87
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; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 49
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-09-735-363A-49
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Query Match      100.0%; Score 6; DB 9; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 TTAGGG 6
        |||||
Db      1 TTAGGG 6
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RESULT 3
US-09-907-279-2
; Sequence 2, Application US/09907279
; Publication No. US20020068296A1
; GENERAL INFORMATION:
; APPLICANT: Heller, Adam
; TITLE OF INVENTION: CATHODIC PROTECTION OF NUCLEIC ACID SEQUENCES
; FILE REFERENCE: 11154.41USUI
; CURRENT APPLICATION NUMBER: US/09/907,279
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: US 60/218,959
; PRIOR FILING DATE: 2000-07-17
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: artificial oligonucleotide sequence
US-09-907-279-2
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Query Match      100.0%; Score 6; DB 9; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 TTAGGG 6
        |||||
Db      1 TTAGGG 6
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RESULT 4
US-09-730-893-1
; Sequence 1, Application US/09730893
; Patent No. US20020107258A1
; GENERAL INFORMATION:
; APPLICANT: KERWIN, SEAN M.
; APPLICANT: FEDOROFF, OLEG Y.
; APPLICANT: SALAZAR, MIGUEL
; APPLICANT: HURLEY, LAURENCE H.
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A
; FILE REFERENCE: UTSB:679USC1
; CURRENT APPLICATION NUMBER: US/09/730,893
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 05/244,675
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/073,629
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Artificial Sequence
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; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Primer  
US-09-730-893-1

Query Match 100.0%; Score 6; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09; Indels 0; Gaps 0;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||  
Db 1 TTAGGG 6

## RESULT 5

US-09-940-173A-1

; Sequence 1, Application US/09940173A  
; Publication No. US20030040525A1  
; GENERAL INFORMATION:  
; APPLICANT: KERWIN, SEAN M.  
; APPLICANT: FEDOROFF, OLEG Y.  
; APPLICANT: SALAZAR, MIGUEL  
; APPLICANT: HURLEY, LAURENCE H.  
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A  
; FILE REFERENCE: G-QUADRUPLIX-INTERACTION COMPOUND  
; CURRENT APPLICATION NUMBER: US/09/940,173A  
; CURRENT FILING DATE: 2002-06-24  
; PRIOR APPLICATION NUMBER: 09/730,893  
; PRIOR FILING DATE: 2000-12-05  
; PRIOR APPLICATION NUMBER: 09/244,675  
; PRIOR FILING DATE: 1993-04-02  
; PRIOR APPLICATION NUMBER: 60/073,629  
; PRIOR FILING DATE: 1998-04-02  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 6  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Primer  
US-09-940-173A-1

Query Match 100.0%; Score 6; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09; Indels 0; Gaps 0;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
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Db 1 TTAGGG 6

## RESULT 6

US-10-122-630-11

; Sequence 11, Application US/10122630  
; Publication No. US20030032610A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Eller, Mark S.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; FILE REFERENCE: 0054.1088-018  
; CURRENT APPLICATION NUMBER: US/10/122,630  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 08/467,012  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: PCT/US96/08386  
; PRIOR FILING DATE: 1995-06-03  
; PRIOR APPLICATION NUMBER: US 09/048,927  
; PRIOR FILING DATE: 1998-03-26

; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11  
; LENGTH: 6  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-630-11

Query Match 100.0%; Score 6; DB 14; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09; Indels 0; Gaps 0;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||  
Db 1 TTAGGG 6

## RESULT 7

US-10-122-630-12/c  
; Sequence 12, Application US/10122630  
; Publication No. US20030032610A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Eller, Mark S.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; FILE REFERENCE: 0054.1088-018  
; CURRENT APPLICATION NUMBER: US/10/122,630  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 08/467,012  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: PCT/US96/08386  
; PRIOR FILING DATE: 1996-06-03  
; PRIOR APPLICATION NUMBER: US 09/048,927  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12  
; LENGTH: 6  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-630-12

Query Match 100.0%; Score 6; DB 14; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09; Indels 0; Gaps 0;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||  
Db 6 TTAGGG 1

## RESULT 8

US-10-122-633-11

; Sequence 11, Application US/10122633  
; Publication No. US20030032611A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Eller, Mark S.  
; APPLICANT: Yaar, Mina

; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; FILE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-019  
; CURRENT APPLICATION NUMBER: US/10/122,633  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11  
; LENGTH: 6  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-633-11

Query Match 100.0%; Score 6; DB 14; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||  
Db 1 TTAGGG 6

RESULT 9  
US-10-122-633-12/c  
; Sequence 12, Application US/10122633  
; Publication No. US20030032611A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Eller, Mark S.  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; FILE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-019  
; CURRENT APPLICATION NUMBER: US/10/122,633  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12  
; LENGTH: 6  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-633-12

Query Match 100.0%; Score 6; DB 14; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||  
Db 6 TTAGGG 1

RESULT 10  
US-10-255-535-8  
; Sequence 8, Application US/10255535  
; Publication No. US20030138814A1  
; GENERAL INFORMATION:  
; APPLICANT: Geron Corporation  
; APPLICANT: Gryaznov, Sergei  
; APPLICANT: Pongracz, Krisztina  
; APPLICANT: Tolman, Richard L.

; APPLICANT: Morin, Gregg B.  
; TITLE OF INVENTION: Oligonucleotide Conjugates  
; FILE REFERENCE: 072/002P  
; CURRENT APPLICATION NUMBER: US/10/255,535  
; CURRENT FILING DATE: 2002-09-25  
; PRIOR APPLICATION NUMBER: PCT/US02/09138  
; PRIOR FILING DATE: 2002-03-21  
; PRIOR APPLICATION NUMBER: US 60/278,322  
; PRIOR FILING DATE: 2001-03-23  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 8  
; LENGTH: 6  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: oligonucleotide  
US-10-255-535-8

Query Match 100.0%; Score 6; DB 15; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||  
Db 1 TTAGGG 6

RESULT 11  
US-10-336-265-1  
; Sequence 1, Application US/10336265  
; Publication No. US20030148988A1  
; GENERAL INFORMATION:  
; APPLICANT: Kool, Eric T.  
; TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for  
; FILE OF INVENTION: the Elongation of Telomere Repeats  
; FILE REFERENCE: 12665.0021.NPUS01  
; CURRENT APPLICATION NUMBER: US/10/336,265  
; CURRENT FILING DATE: 2003-01-03  
; PRIOR APPLICATION NUMBER: US 60/345,056  
; PRIOR FILING DATE: 2002-01-04  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1  
; LENGTH: 6  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-336-265-1

Query Match 100.0%; Score 6; DB 15; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||  
Db 1 TTAGGG 6

RESULT 12  
US-10-336-265-3/c  
; Sequence 3, Application US/10336265  
; Publication No. US20030148988A1  
; GENERAL INFORMATION:  
; APPLICANT: Kool, Eric T.  
; TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for  
; FILE OF INVENTION: the Elongation of Telomere Repeats  
; FILE REFERENCE: 12665.0021.NPUS01  
; CURRENT APPLICATION NUMBER: US/10/336,265  
; CURRENT FILING DATE: 2003-01-03  
; PRIOR APPLICATION NUMBER: US 60/345,056  
; PRIOR FILING DATE: 2002-01-04  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: PatentIn version 3.2

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; SEQ ID NO 3
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-336-265-3

Query Match      100.0%; Score 6; DB 15; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 6 TTAGGG 1

RESULT 13
US-10-336-265-4/c
; Sequence 4, Application US/10336265
; Publication No. US20030148988A1
; GENERAL INFORMATION:
; APPLICANT: Kool, Eric T.
; TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for
; FILE REFERENCE: 12665.0021.NPUS01
; CURRENT APPLICATION NUMBER: US/10/336.265
; CURRENT FILING DATE: 2003-01-03
; PRIOR APPLICATION NUMBER: US 60/345,056
; PRIOR FILING DATE: 2002-01-04
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 6
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-336-265-4

Query Match      100.0%; Score 6; DB 15; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 6 TTAGGG 1

RESULT 14
US-10-336-265-63
; Sequence 63, Application US/10336265
; Publication No. US20030148988A1
; GENERAL INFORMATION:
; APPLICANT: Kool, Eric T.
; TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for
; FILE REFERENCE: 12665.0021.NPUS01
; CURRENT APPLICATION NUMBER: US/10/336.265
; CURRENT FILING DATE: 2003-01-03
; PRIOR APPLICATION NUMBER: US 60/345,056
; PRIOR FILING DATE: 2002-01-04
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 63
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-336-265-63

Query Match      100.0%; Score 6; DB 15; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 15
US-10-336-265-64
; Sequence 64, Application US/10336265
; Publication No. US20030148988A1
; GENERAL INFORMATION:
; APPLICANT: Kool, Eric T.
; TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for
; FILE REFERENCE: 12665.0021.NPUS01
; CURRENT APPLICATION NUMBER: US/10/336.265
; CURRENT FILING DATE: 2003-01-03
; PRIOR APPLICATION NUMBER: US 60/345,056
; PRIOR FILING DATE: 2002-01-04
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 64
; LENGTH: 6
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-336-265-64

Query Match      100.0%; Score 6; DB 15; Length 6;
Best Local Similarity 66.7%; Pred. No. 1e+09;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 UUAGGG 6

RESULT 16
US-10-232-927A-9
; Sequence 9, Application US/10232927A
; Publication No. US20030190638A1
; GENERAL INFORMATION:
; APPLICANT: Michael D. West
; Calvin B. Harley
; Scott L. Weinrich
; Catherine M. Strahl
; Michael J. Meeachern
; Jerry Shay
; Woodring E. Wright
; Elizabeth H. Blackburn
; Nam Woo Kim
; Homayoun Vaziri
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
; CONDITIONS RELATED TO
; TELOMERE LENGTH AND/OR
; TELOMERASE ACTIVITY
; NUMBER OF SEQUENCES: 80
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/232.927A
; FILING DATE: 29-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,535
; FILING DATE: 20-Aug-1999
```

; APPLICATION NUMBER: 08/819,867  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Chambers, Daniel M.  
; REGISTRATION NUMBER: 34,561  
; REFERENCE/DOCKET NUMBER: 224/232  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
US-10-232-927A-9

Query Match 100.0%; Score 6; DB 16; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 1 TTAGGG 6

RESULT 17  
US-10-232-927A-27/C  
; Sequence 27, Application US/10232927A  
; Publication No. US20030190638A1

; GENERAL INFORMATION:

; APPLICANT: Michael D. West  
; Calvin B. Harley  
; Scott L. Weinrich  
; Catherine M. Strahl  
; Michael J. Mceachern  
; Jerry Shay  
; Woodring E. Wright  
; Elizabeth H. Blackburn  
; Nam Woo Kim  
; Homayoun Vaziri

; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF  
; CONDITIONS RELATED TO  
; TELOMERE LENGTH AND/OR  
; TELOMERASE ACTIVITY

; NUMBER OF SEQUENCES: 80  
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; Suite 4700

; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; storage

; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSeq for Windows 2.0  
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/232,927A  
; FILING DATE: 29-Aug-2002

; CLASSIFICATION: <unknown>  
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/09/378,535  
; FILING DATE: 20-Aug-1999

; APPLICATION NUMBER: 08/819,867  
; FILING DATE: <unknown>

; ATTORNEY/AGENT INFORMATION:  
; NAME: Chambers, Daniel M.

; REGISTRATION NUMBER: 34,561  
; REFERENCE/DOCKET NUMBER: 224/232  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 27:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:  
US-10-232-927A-27

Query Match 100.0%; Score 6; DB 16; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 6 TTAGGG 1

RESULT 18

US-10-382-754B-3

; Sequence 3, Application US/10382754B

; Publication No. US2004009933A1

; GENERAL INFORMATION:

; APPLICANT: Glen Research Corp. and Berry & Associates, Inc.

; TITLE OF INVENTION: Fluorescent Nitrogenous Base and Nucleosides Incorporating Same

; FILE REFERENCE: 005416.00008

; CURRENT APPLICATION NUMBER: US/10/382,754B

; CURRENT FILING DATE: 2003-03-06

; PRIOR APPLICATION NUMBER: 60/362,448

; PRIOR FILING DATE: 2002-03-08

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 3

; LENGTH: 6

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-382-754B-3

Query Match 100.0%; Score 6; DB 17; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1e+09;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 1 TTAGGG 6

RESULT 19

US-10-355-388-3

; Sequence 3, Application US/10355388

; Publication No. US20040013662A1

; GENERAL INFORMATION:

; APPLICANT: Porter, Thomas R.

; APPLICANT: Iversen, Patrick L.

; TITLE OF INVENTION: Microbubble

; FILE REFERENCE: 50450-8302.US02

; CURRENT APPLICATION NUMBER: US/10/355,388

; CURRENT FILING DATE: 2003-01-31

; PRIOR APPLICATION NUMBER: US 09/591,380

; PRIOR FILING DATE: 2000-06-09

; PRIOR APPLICATION NUMBER: US 09/118,168

; PRIOR FILING DATE: 1998-07-17

; PRIOR APPLICATION NUMBER: US 08/670,999

; PRIOR FILING DATE: 1996-06-28

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 3

; METHODS FOR OLIGONUCLEOTIDE DELIVERY

```

; LENGTH: 6
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: human telomere sequence
US-10-355-388-3

Query Match      100.0%; Score 6; DB 17; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTAGGG 6
      |||||
DB      1 TTAGGG 6

RESULT 20
US-10-181-823-13
; Sequence 13, Application US/10181823
; Publication No. US20040126752A1
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; APPLICANT: Gryaznov, Sergei
; APPLICANT: Schultz, Ronald G
; TITLE OF INVENTION: 2'-Arabino-Fluoroligonucleotide N3'--->P5' Phosphoramidates: Their
; TITLE OF INVENTION: Synthesis and Use
; FILE REFERENCE: 049/002
; CURRENT APPLICATION NUMBER: US/10/181,823
; CURRENT FILING DATE: 2003-12-29
; PRIOR APPLICATION NUMBER: PCT/US01/01918
; PRIOR FILING DATE: 2001-01-19
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 13
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-181-823-13

Query Match      100.0%; Score 6; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTAGGG 6
      |||||
DB      1 TTAGGG 6

RESULT 21
US-10-705-531-15
; Sequence 15, Application US/10705531
; Publication No. US20040142357A1
; GENERAL INFORMATION:
; APPLICANT: Beth Israel Deaconess Medical Center
; TITLE OF INVENTION: Novel Telomerase Inhibitors And Uses Therefor
; FILE REFERENCE: 2312/2008
; CURRENT APPLICATION NUMBER: US/10/705,531
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,363
; PRIOR FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic sequence
; NAME/KEY: misc feature
; LOCATION: (1)..(6)
; OTHER INFORMATION: Synthetic sequence
US-10-705-531-15
```

```

Query Match      100.0%; Score 6; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTAGGG 6
      |||||
DB      1 TTAGGG 6

RESULT 22
US-10-705-531-16
; Sequence 16, Application US/10705531
; Publication No. US20040142357A1
; GENERAL INFORMATION:
; APPLICANT: Beth Israel Deaconess Medical Center
; TITLE OF INVENTION: Novel Telomerase Inhibitors And Uses Therefor
; FILE REFERENCE: 2312/2008
; CURRENT APPLICATION NUMBER: US/10/705,531
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,363
; PRIOR FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic probe
; NAME/KEY: misc feature
; LOCATION: (1)..(6)
; OTHER INFORMATION: Synthetic probe
US-10-705-531-16

Query Match      100.0%; Score 6; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTAGGG 6
      |||||
DB      1 TTAGGG 6

RESULT 23
US-10-752-123-1
; Sequence 1, Application US/10752123
; Publication No. US20040185477A1
; GENERAL INFORMATION:
; APPLICANT: Sention Inc.
; TITLE OF INVENTION: METHODS OF DETECTING DIFFERENCES IN GENOMIC SEQUENCE
; FILE REFERENCE: 19781/2052
; CURRENT APPLICATION NUMBER: US/10/752,123
; CURRENT FILING DATE: 2004-01-06
; PRIOR APPLICATION NUMBER: US 60/439,122
; PRIOR FILING DATE: 2003-01-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(6)
; OTHER INFORMATION: Conserved telomeric repeat unit
US-10-752-123-1

Query Match      100.0%; Score 6; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```

; PRIOR FILING DATE: 2002-11-19
; PRIOR APPLICATION NUMBER: GB 0127564.3
; PRIOR FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-866-392-1

Query Match      100.0%; Score 6; DB 21; Length 6;
Best Local Similarity 100.0%; Pred. No. 1e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 27
US-09-730-893-6
; Sequence 6, Application US/09730893
; Patent No. US20020107258A1
; GENERAL INFORMATION:
; APPLICANT: KERWIN, SEAN M.
; APPLICANT: FEDOROFF, OLEG Y.
; APPLICANT: SALAZAR, MIGUEL
; APPLICANT: HURLEY, LAURENCE H.
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A
; FILE REFERENCE: UTSB:679USC1
; CURRENT APPLICATION NUMBER: US/09/730,893
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/244,675
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/073,629
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-730-893-6

Query Match      100.0%; Score 6; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.7e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 28
US-09-940-173A-6
; Sequence 6, Application US/09940173A
; Publication No. US20030040525A1
; GENERAL INFORMATION:
; APPLICANT: KERWIN, SEAN M.
; APPLICANT: FEDOROFF, OLEG Y.
; APPLICANT: SALAZAR, MIGUEL
; APPLICANT: HURLEY, LAURENCE H.
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A
; FILE REFERENCE: UTSB:679USD2
; CURRENT APPLICATION NUMBER: US/09/940,173A
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: 09/730,893

```

```

; PRIOR FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/244,675
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/073,629
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-940-173A-6

Query Match      100.0%; Score 6; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.7e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 29
US-10-775-818-6
; Sequence 6, Application US/10775818
; Publication No. US20040229894A1
; GENERAL INFORMATION:
; APPLICANT: KERWIN, SEAN M.
; APPLICANT: FEDOROFF, OLEG Y.
; APPLICANT: SALAZAR, MIGUEL
; APPLICANT: HURLEY, LAURENCE H.
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A
; FILE REFERENCE: UTSB:679USC2
; CURRENT APPLICATION NUMBER: US/10/775,818
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: 09/730,893
; PRIOR FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/244,675
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/073,629
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-775-818-6

Query Match      100.0%; Score 6; DB 20; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.7e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 30
US-09-730-893-4
; Sequence 4, Application US/09730893
; Patent No. US20020107258A1
; GENERAL INFORMATION:
; APPLICANT: KERWIN, SEAN M.
; APPLICANT: FEDOROFF, OLEG Y.
; APPLICANT: SALAZAR, MIGUEL

```

; APPLICANT: HURLEY, LAURENCE H.  
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A  
; FILE REFERENCE: G-QUADRUPLIX-INTERACTION COMPOUND  
; FILE REFERENCE: UTSB:679USD1  
; CURRENT FILING DATE: 2000-12-05  
; PRIOR APPLICATION NUMBER: 09/244,675  
; PRIOR FILING DATE: 1999-04-02  
; PRIOR APPLICATION NUMBER: 60/073,629  
; PRIOR FILING DATE: 1998-04-02  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Primer  
US-09-730-893-4

Query Match 100.0%; Score 6; DB 9; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08; Indels 0; Gaps 0;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 1 TTAGGG 6

RESULT 31  
US-09-940-173A-4  
; Sequence 4, Application US/09940173A  
; Publication No. US20030040525A1  
; GENERAL INFORMATION:  
; APPLICANT: KERWIN, SEAN M.  
; APPLICANT: FEDOROFF, OLEG Y.  
; APPLICANT: SALAZAR, MIGUEL  
; APPLICANT: HURLEY, LAURENCE H.  
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A  
; FILE REFERENCE: G-QUADRUPLIX-INTERACTION COMPOUND  
; FILE REFERENCE: UTSB:679USD2  
; CURRENT FILING DATE: 2002-06-24  
; PRIOR APPLICATION NUMBER: 09/730,893  
; PRIOR FILING DATE: 2000-12-05  
; PRIOR APPLICATION NUMBER: 09/244,675  
; PRIOR FILING DATE: 1999-04-02  
; PRIOR APPLICATION NUMBER: 60/073,629  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Primer  
US-09-940-173A-4

Query Match 100.0%; Score 6; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08; Indels 0; Gaps 0;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 1 TTAGGG 6

RESULT 32  
US-10-336-265-58  
; Sequence 58, Application US/10336265

; Publication No. US20030148988A1  
; GENERAL INFORMATION:  
; APPLICANT: KOOL, ERIC T.  
; TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for  
; FILE REFERENCE: 12665.0021.NPUS01  
; CURRENT FILING DATE: 2003-01-03  
; PRIOR APPLICATION NUMBER: US/10/336,265  
; PRIOR FILING DATE: 2003-01-03  
; PRIOR APPLICATION NUMBER: US 60/345,056  
; PRIOR FILING DATE: 2002-01-04  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 58  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Chlamydomonas reinhardtii  
US-10-336-265-58

Query Match 100.0%; Score 6; DB 15; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08; Indels 0; Gaps 0;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 3 TTAGGG 8

RESULT 33  
US-10-775-818-4  
; Sequence 4, Application US/10775818  
; Publication No. US20040229894A1  
; GENERAL INFORMATION:  
; APPLICANT: KERWIN, SEAN M.  
; APPLICANT: FEDOROFF, OLEG Y.  
; APPLICANT: SALAZAR, MIGUEL  
; APPLICANT: HURLEY, LAURENCE H.  
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A  
; FILE REFERENCE: G-QUADRUPLIX-INTERACTION COMPOUND  
; FILE REFERENCE: UTSB:679USD2  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: 09/730,893  
; PRIOR FILING DATE: 2000-12-05  
; PRIOR APPLICATION NUMBER: 09/244,675  
; PRIOR FILING DATE: 1999-04-02  
; PRIOR APPLICATION NUMBER: 60/073,629  
; PRIOR FILING DATE: 1998-04-02  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Primer  
US-10-775-818-4

Query Match 100.0%; Score 6; DB 20; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08; Indels 0; Gaps 0;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 1 TTAGGG 6

RESULT 34  
US-09-728-574-19/c  
; Sequence 19, Application US/09728574  
; Patent No. US20020137036A1  
; GENERAL INFORMATION:  
; APPLICANT: Stratagene



Db |||||  
4 TTAGGG 9

## RESULT 39

US-10-044-692-294

; Sequence 294, Application US/10044692

; Publication No. US20030096344A1

## GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.

; Lingner, Joachim

; Nakamura, Toru

; Chapman, Karen B.

; Morin, Gregg B.

; Harley, Calvin

; Andrews, William H.

TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND

THERAPEUTIC METHODS

NUMBER OF SEQUENCES: 335

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, 8th Floor

CITY: San Francisco

STATE: California

COUNTRY: United States of America

ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/044,692

FILING DATE: 11-Jan-2002

CLASSIFICATION: &lt;Unknown&gt;

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/912,951

FILING DATE: &lt;Unknown&gt;

APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/724,643

FILING DATE: 01-OCT-1996

ATTORNEY/AGENT INFORMATION:

NAME: Apple, Randolph T.

REGISTRATION NUMBER: 36,429

REFERENCE/DOCKET NUMBER: 015389-002600US

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 294:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 294:

US-10-044-692-294

## Query Match

Best Local Similarity 100.0%; Score 6; DB 14; Length 10;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6

|||||

Db 1 TTAGGG 6

|||||

Search completed: July 13, 2005, 04:11:27

Job time : 171.595 secs

## RESULT 40

US-10-044-539-294

; Sequence 294, Application US/10044539

; Publication No. US20030100093A1

## GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.

; Lingner, Joachim

; Nakamura, Toru

; Chapman, Karen B.

; Morin, Gregg B.

; Harley, Calvin

; Andrews, William H.

TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND

THERAPEUTIC METHODS

NUMBER OF SEQUENCES: 335

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, 8th Floor

CITY: San Francisco

STATE: California

COUNTRY: United States of America

ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/044,539

FILING DATE: 11-Jan-2002

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/912,951

FILING DATE: &lt;Unknown&gt;

APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/724,643

FILING DATE: 01-OCT-1996

ATTORNEY/AGENT INFORMATION:

NAME: Apple, Randolph T.

REGISTRATION NUMBER: 36,429

REFERENCE/DOCKET NUMBER: 015389-002600US

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 294:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 294:

US-10-044-539-294

## Query Match

Best Local Similarity 100.0%; Score 6; DB 15; Length 10;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6

|||||

Db 1 TTAGGG 6

|||||

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 15:44:02 ; Search time 35.3924 Seconds  
(without alignments)  
277.395 Million cell updates/sec

Title: US-09-540-843-11

Perfect score: 6

Sequence: 1 ttaggg 6

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1407054

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Issued Patents NA.\*

1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq.\*

2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*

3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq.\*

4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*

5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq.\*

6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	6	100.0	6	1	US-08-337-684-2
C 5	6	100.0	6	2	US-08-151-477A-4
6	6	100.0	6	2	US-08-670-999-3
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25	6	100.0	8	3	US-08-838-545-34
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## ALIGNMENTS

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; Sequence 3, Application US/08381097A
; Patent No. 5643890
; GENERAL INFORMATION:
; APPLICANT: Iverson, Patrick L.
; APPLICANT: Mata, John E.
; TITLE OF INVENTION: Synthetic Oligodeoxyribonucleotides
; TITLE OF INVENTION: Which Mimic Telomeric Sequences for Use in the Treatment
; TITLE OF INVENTION: of Cancer and Other Diseases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Zarely, McKee, Thomte, Voorhees, & Sease
; STREET: 801 Grand Suite 3200
; CITY: Des Moines
; STATE: Iowa
; COUNTRY: United States
; ZIP: 50309
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/381,097A
; FILING DATE: 31-JAN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Nebel, Heidi S
; REGISTRATION NUMBER: 37,719
; REFERENCE/DOCKET NUMBER: ummc 63092
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 515-288-3667
; TELEFAX: 515-288-1338
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-381-097A-3
;
; Query Match 100.0%; Score 6; DB 1; Length 6;
; Best Local Similarity 100.0%; Pred. No. 2.7e+08;
; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 2
US-08-381-097A-5/c
; Sequence 5, Application US/08381097A
; Patent No. 5643890
; GENERAL INFORMATION:
; APPLICANT: Iverson, Patrick L.
; APPLICANT: Mata, John E.
; TITLE OF INVENTION: Synthetic Oligodeoxyribonucleotides
; TITLE OF INVENTION: Which Mimic Telomeric Sequences for Use in the Treatment
; TITLE OF INVENTION: of Cancer and Other Diseases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Zarely, McKee, Thomte, Voorhees, & Sease
; STREET: 801 Grand Suite 3200
; CITY: Des Moines
; STATE: Iowa
; COUNTRY: United States
; ZIP: 50309
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/381,097A
; FILING DATE: 31-JAN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Nebel, Heidi S
; REGISTRATION NUMBER: 37,719
; REFERENCE/DOCKET NUMBER: ummc 63092
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 515-288-3667
; TELEFAX: 515-288-1338
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-381-097A-3
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; Query Match 100.0%; Score 6; DB 1; Length 6;
; Best Local Similarity 100.0%; Pred. No. 2.7e+08;
; Mismatches 0; Indels 0; Gaps 0;

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Db 1 TTAGGG 6

RESULT 3
US-08-153-051B-4/c
; Sequence 4, Application US/08153051B
; Patent No. 5645986
; GENERAL INFORMATION:
; APPLICANT: Michael D. West
; APPLICANT: Jerry W. Shay
; APPLICANT: Woodring E. Wright
; APPLICANT: Elizabeth Blackburn
; APPLICANT: Nam Woo Kim
; APPLICANT: Calvin B. Harley
; APPLICANT: Scott L. Weinrich
; APPLICANT: Catherine Strahl
; APPLICANT: Michael J. McEachern
; APPLICANT: Homayoun Vaziri
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: CONDITIONS RELATED TO TELOMERE
; TITLE OF INVENTION: LENGTH AND/OR TELOMERASE ACTIVITY
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
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; CITY: Des Moines
; STATE: Iowa
; COUNTRY: United States
; ZIP: 50309
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/381,097A
; FILING DATE: 31-JAN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Nebel, Heidi S
; REGISTRATION NUMBER: 37,719
; REFERENCE/DOCKET NUMBER: ummc 63092
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 515-288-3667
; TELEFAX: 515-288-1338
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
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; ANTI-SENSE: NO
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; Mismatches 0; Indels 0; Gaps 0;

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Db 6 TTAGGG 1

RESULT 3
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; Sequence 4, Application US/08153051B
; Patent No. 5645986
; GENERAL INFORMATION:
; APPLICANT: Michael D. West
; APPLICANT: Jerry W. Shay
; APPLICANT: Woodring E. Wright
; APPLICANT: Elizabeth Blackburn
; APPLICANT: Nam Woo Kim
; APPLICANT: Calvin B. Harley
; APPLICANT: Scott L. Weinrich
; APPLICANT: Catherine Strahl
; APPLICANT: Michael J. McEachern
; APPLICANT: Homayoun Vaziri
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: CONDITIONS RELATED TO TELOMERE
; TITLE OF INVENTION: LENGTH AND/OR TELOMERASE ACTIVITY
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
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; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/153,051B  
; FILING DATE: No. 5645986ember 12, 1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/038,766  
; FILING DATE: March 24, 1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 204/195  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-153-051B-4

Query Match 100.0%; Score 6; DB 1; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 6 TTAGGG 1

RESULT 4  
US-08-337-684-2  
; Sequence 2, Application US/08337684  
; Patent No. 5686306  
; GENERAL INFORMATION:  
; APPLICANT: West, Michael David  
; APPLICANT: Shay, Jerry  
; APPLICANT: Wright, Woodring E.  
; TITLE OF INVENTION: METHODS AND REAGENTS FOR  
; MEASURING TELOMERES  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: Word Perfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/337,684  
; FILING DATE: No. 5686306ember 10, 1994  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/151,477  
; FILING DATE: No. 5686306ember 12, 1993  
; APPLICATION NUMBER: 08/153,051  
; FILING DATE: No. 5686306ember 12, 1993  
; APPLICATION NUMBER: 08/060,952  
; FILING DATE: May 13, 1993  
; APPLICATION NUMBER: 08/038,766  
; FILING DATE: March 24, 1993  
; APPLICATION NUMBER: 07/882,438  
; FILING DATE: May 13, 1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.

; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 210/085  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-337-684-2

Query Match 100.0%; Score 6; DB 1; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 1 TTAGGG 6

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; Sequence 4, Application US/08151477A  
; Patent No. 5830644  
; GENERAL INFORMATION:  
; APPLICANT: Michael D. West  
; APPLICANT: Jerry W. Shay  
; APPLICANT: Woodring E. Wright  
; APPLICANT: Elizabeth Blackburn  
; APPLICANT: Nam Woo Kim  
; APPLICANT: Calvin B. Harley  
; APPLICANT: Scott L. Weinrich  
; APPLICANT: Catherine Strahl  
; APPLICANT: Michael J. McEachern  
; APPLICANT: Homayoun Vaziri  
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF  
; CONDITIONS RELATED TO TELOMERE  
; TITLE OF INVENTION: LENGTH AND/OR TELOMERASE ACTIVITY  
; NUMBER OF SEQUENCES: 58  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSeq Version 1.5  
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; FILING DATE: No. 5830644ember 12, 1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/038,766  
; FILING DATE: March 24, 1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 202/189  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6

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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-151-477A-4

Query Match      100.0%; Score 6; DB 2; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.7e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      6 TTAGGG 1

RESULT 6
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; Sequence 3, Application US/08670999
; Patent No. 5849727
; GENERAL INFORMATION:
; APPLICANT: Porter, Thomas R.
; APPLICANT: Iverson, Patrick L.
; TITLE OF INVENTION: Compositions and Methods for Altering
; TITLE OF INVENTION: the Biodistribution of Biological Agents
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Zarley, McKee, Thomte, Voorhees & Sease
; STREET: 801 Grand Suite 3200
; CITY: Des Moines
; STATE: Iowa
; COUNTRY: United States
; ZIP: 50309
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: US/08/670,999
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Nebel, Heidi S.
; REGISTRATION NUMBER: 37,719
; REFERENCE/DOCKET NUMBER: ummc 107A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 515-288-3667
; TELEFAX: 515-288-1338
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-670-999-3

Query Match      100.0%; Score 6; DB 2; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.7e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTAGGG 6
Db      1 TTAGGG 6

RESULT 7
US-08-729-598-4
; Sequence 4, Application US/08729598
; Patent No. 6001657
; GENERAL INFORMATION:
; APPLICANT: Hardin, Charles C.
```

```
; APPLICANT: Brown II, Bernard A.
; APPLICANT: Roberts, John J.
; APPLICANT: Pelsue, Stephen A.
; TITLE OF INVENTION: Antibodies That Selectively Bind
; TITLE OF INVENTION: Quadruplex Nucleic Acids
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sorojini J. Biswas
; STREET: P.O. Box 37428
; CITY: Raleigh
; STATE: No. 6001657th Carolina
; COUNTRY: USA
; ZIP: 27627
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 11-OCT-1996
; APPLICATION NUMBER: US/08/729,598
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Biswas, Sorojini J.
; REGISTRATION NUMBER: 39,111
; REFERENCE/DOCKET NUMBER: 5051-301A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919) 854-1400
; TELEFAX: (919) 854-1401
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: not relevant
; MOLECULE TYPE: DNA (genomic)
US-08-729-598-4

Query Match      100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.7e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTAGGG 6
Db      1 TTAGGG 6

RESULT 8
US-08-819-867-9
; Sequence 9, Application US/08819867
; Patent No. 6007989
; GENERAL INFORMATION:
; APPLICANT: Michael D. West
; APPLICANT: Calvin B. Harley
; APPLICANT: Scott L. Weinrich
; APPLICANT: Catherine M. Strahl
; APPLICANT: Michael J. Meeachern
; APPLICANT: Jerry Shay
; APPLICANT: Woodring E. Wright
; APPLICANT: Elizabeth H. Blackburn
; APPLICANT: Nam Woo Kim
; APPLICANT: Homayoun Vaziri
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: CONDITIONS RELATED TO
; TITLE OF INVENTION: TELOMERE LENGTH AND/OR
; TITLE OF INVENTION: TELOMERASE ACTIVITY
; NUMBER OF SEQUENCES: 80
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
```

COUNTRY: U.S.A.  
 ZIP: 90071-2066  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
 MEDIUM TYPE: storage  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: IBM P.C. DOS 5.0  
 SOFTWARE: FastSeq for Windows 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/819,867  
 FILING DATE: March 14, 1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/153,051  
 FILING DATE: No. 6007989ember 12, 1993  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Chambers, Daniel M.  
 REGISTRATION NUMBER: 34,561  
 REFERENCE/DOCKET NUMBER: 224/232  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 6 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 US-08-819-867-9

Query Match 100.0%; Score 6; DB 3; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGG 6  
 Db 1 TTAGG 6

RESULT 9  
 US-08-819-867-27/c  
 Sequence 27, Application US/08819867  
 Patent No. 6007989  
 GENERAL INFORMATION:  
 APPLICANT: Michael D. West  
 APPLICANT: Calvin B. Harley  
 APPLICANT: Scott L. Weinrich  
 APPLICANT: Catherine M. Strahl  
 APPLICANT: Michael J. Mceachern  
 APPLICANT: Jerry Shay  
 APPLICANT: Woodring E. Wright  
 APPLICANT: Elizabeth H. Blackburn  
 APPLICANT: Nam Woo Kim  
 APPLICANT: Homayoun Vaziri  
 TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF  
 TITLE OF INVENTION: CONDITIONS RELATED TO  
 TITLE OF INVENTION: TELOMERE LENGTH AND/OR  
 TITLE OF INVENTION: TELOMERASE ACTIVITY  
 NUMBER OF SEQUENCES: 80  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Lyon & Lyon  
 STREET: 633 West Fifth Street  
 STREET: Suite 4700  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: U.S.A.  
 ZIP: 90071-2066  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM Compatible  
 OPERATING SYSTEM: IBM P.C. DOS 5.0  
 SOFTWARE: FastSeq for Windows 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/819,867  
 FILING DATE: March 14, 1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/153,051  
 FILING DATE: No. 6007989ember 12, 1993  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Chambers, Daniel M.  
 REGISTRATION NUMBER: 34,561  
 REFERENCE/DOCKET NUMBER: 224/232  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 27:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 6 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 US-08-819-867-27

Query Match 100.0%; Score 6; DB 3; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGG 6  
 Db 6 TTAGG 1

RESULT 10  
 US-08-630-019A-1  
 Sequence 1, Application US/08630019A  
 Patent No. 6015710  
 GENERAL INFORMATION:  
 APPLICANT: Shay, Jerry W.  
 APPLICANT: Wright, Woodring E.  
 APPLICANT: Piatyszek, Mieczyslaw A.  
 APPLICANT: Corey, David  
 APPLICANT: No. 6015710ton, James C.  
 TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
 TITLE OF INVENTION: Peptide Nucleic Acids  
 NUMBER OF SEQUENCES: 46  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Townsend and Townsend and Crew LLP  
 STREET: Two Embarcadero Center, Eighth Floor  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-3834  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/630,019A  
 FILING DATE: 09-JUN-1996  
 CLASSIFICATION: 536  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Storella, John R.  
 REGISTRATION NUMBER: 32,944  
 REFERENCE/DOCKET NUMBER: 015389-001600US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 576-0200  
 TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by  
DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
DESCRIPTION: glycine amino nitrogen through a methylenecarbonyl linker"  
US-08-630-019A-1

Query Match 100.0%; Score 6; DB 3; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
| | | | |  
Db 1 TTAGGG 6

## RESULT 11

US-09-018-545-3  
Sequence 3, Application US/09018545  
Patent No. 6087493

## GENERAL INFORMATION:

APPLICANT: Wheelhouse, Richard T.  
APPLICANT: Hurley, Laurence H.  
TITLE OF INVENTION: PORPHYRIN COMPOUNDS AS TELOMERASE  
TITLE OF INVENTION: INHIBITORS  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Arnold, White & Durkee  
STREET: P.O. Box 4433  
CITY: Houston  
STATE: Texas  
COUNTRY: U.S.  
ZIP: 77210

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/018 545  
FILING DATE: Concurrently Herewith

## CLASSIFICATION:

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/037,295  
FILING DATE: 05-FEB-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Kitchell, Barbara S.  
REGISTRATION NUMBER: 33,928  
REFERENCE/DOCKET NUMBER: UTSB:654  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (512) 418-3000  
TELEFAX: (512) 474-7577

## INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:  
LENGTH: 6 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

## US-09-018-545-3

Query Match 100.0%; Score 6; DB 3; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
| | | | |  
Db 1 TTAGGG 6

## RESULT 12

US-09-114-399-3  
Sequence 3, Application US/09114399  
Patent No. 6245747

## GENERAL INFORMATION:

APPLICANT: Porter, Thomas R.  
APPLICANT: Iversen, Patrick L.  
APPLICANT: Meyer, Gary D.  
TITLE OF INVENTION: Targeted Site Specific Drug Delivery  
TITLE OF INVENTION: Compositions and Method of Use  
FILE REFERENCE: 0450-0310.31

CURRENT APPLICATION NUMBER: US/09/114,399

CURRENT FILING DATE: 1998-07-13

PRIOR APPLICATION NUMBER: US 08/615,495

PRIOR FILING DATE: 1996-03-12

NUMBER OF SEQ ID NOS: 4

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 3

LENGTH: 6

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: PS-ODN

US-09-114-399-3

Query Match 100.0%; Score 6; DB 3; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
| | | | |  
Db 1 TTAGGG 6

## RESULT 13

US-09-608-636A-1

Sequence 1, Application US/09608636A

Patent No. 6518268

## GENERAL INFORMATION:

APPLICANT: Geron Corporation  
APPLICANT: Kyowa Hakko Kogyo Co., Ltd.  
APPLICANT: Chin, Allison C.  
APPLICANT: Holcomb, Ryan C.  
APPLICANT: Platyszek, Mieczyslaw A  
APPLICANT: Singh, Upinder  
APPLICANT: Tolman, Richard L.  
APPLICANT: Akama, Teutomu  
APPLICANT: Kanda, Yutaka  
APPLICANT: Asai, Akira  
APPLICANT: Yamashita, Yoshinori  
APPLICANT: Endo, Kaori  
APPLICANT: Yamaguchi, Hiroyuki  
TITLE OF INVENTION: Telomerase Inhibitors and Methods of Their Use  
FILE REFERENCE: 055/003

CURRENT APPLICATION NUMBER: US/09/608,636A

CURRENT FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: US 60/142,173

PRIOR FILING DATE: 1999-07-10

PRIOR APPLICATION NUMBER: JP 11-187616

PRIOR FILING DATE: 1999-07-01

PRIOR APPLICATION NUMBER: JP 11-307576

PRIOR FILING DATE: 1999-10-28

NUMBER OF SEQ ID NOS: 5

SOFTWARE: PatentIn version 3.1

SEQ ID NO 1

LENGTH: 6

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: oligonucleotide

US-09-608-636A-1

Query Match 100.0%; Score 6; DB 4; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 1 TTAGGG 6

## RESULT 14

US-09-378-535-9  
; Sequence 9, Application US/09378535  
; Patent No. 6551774

## GENERAL INFORMATION:

APPLICANT: Michael D. West  
Calvin B. Harley  
Scott L. Weinrich  
Catherine M. Strahl  
Michael J. Mceachern  
Jerry Shay  
Woodring E. Wright  
Elizabeth H. Blackburn  
Nam Woo Kim  
Homayoun Vaziri

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF  
CONDITIONS RELATED TO  
TELOMERE LENGTH AND/OR  
TELOMERASE ACTIVITY

NUMBER OF SEQUENCES: 80

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
storage

COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FastSEQ for Windows 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/378,535

FILING DATE: 20-Aug-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/819,867

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Chambers, Daniel M.

REGISTRATION NUMBER: 34,561

REFERENCE/DOCKET NUMBER: 224/232

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 6 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 9:

Query Match 100.0%; Score 6; DB 4; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6

Db 1 TTAGGG 6

## RESULT 15

US-09-378-535-27/c  
; Sequence 27, Application US/09378535  
; Patent No. 6551774

## GENERAL INFORMATION:

APPLICANT: Michael D. West  
Calvin B. Harley  
Scott L. Weinrich  
Catherine M. Strahl  
Michael J. Mceachern  
Jerry Shay  
Woodring E. Wright  
Elizabeth H. Blackburn  
Nam Woo Kim  
Homayoun Vaziri

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF  
CONDITIONS RELATED TO  
TELOMERE LENGTH AND/OR  
TELOMERASE ACTIVITY

NUMBER OF SEQUENCES: 80

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
storage

COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FastSEQ for Windows 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/378,535

FILING DATE: 20-Aug-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/819,867

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Chambers, Daniel M.

REGISTRATION NUMBER: 34,561

REFERENCE/DOCKET NUMBER: 224/232

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 6 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 27:

Query Match 100.0%; Score 6; DB 4; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6

Db 6 TTAGGG 1

RESULT 16  
US-09-940-173A-1

; Sequence 1, Application US/09940173A  
; Patent No. 6623930  
; GENERAL INFORMATION:  
; APPLICANT: KERWIN, SEAN M.  
; APPLICANT: FEDOROFF, OLEG Y.  
; APPLICANT: SALAZAR, MIGUEL  
; APPLICANT: HURLEY, LAURENCE H.  
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A  
; FILE REFERENCE: G-QUADRUPLIX-INTERACTION COMPOUND  
; FILE REFERENCE: UTSB:679USD2  
; CURRENT APPLICATION NUMBER: US/09/940,173A  
; CURRENT FILING DATE: 2002-06-24  
; PRIOR APPLICATION NUMBER: 09/730,893  
; PRIOR FILING DATE: 2000-12-05  
; PRIOR APPLICATION NUMBER: 09/244,675  
; PRIOR FILING DATE: 1999-04-02  
; PRIOR APPLICATION NUMBER: 60/073,629  
; PRIOR FILING DATE: 1998-04-02  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 6  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Primer  
US-09-940-173A-1

Query Match 100.0%; Score 6; DB 4; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||||  
Db 1 TTAGGG 6

RESULT 17  
US-09-730-893-1  
; Sequence 1, Application US/09730893  
; Patent No. 6689887  
; GENERAL INFORMATION:  
; APPLICANT: KERWIN, SEAN M.  
; APPLICANT: FEDOROFF, OLEG Y.  
; APPLICANT: SALAZAR, MIGUEL  
; APPLICANT: HURLEY, LAURENCE H.  
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A  
; FILE REFERENCE: G-QUADRUPLIX-INTERACTION COMPOUND  
; FILE REFERENCE: UTSB:679USC1  
; CURRENT APPLICATION NUMBER: US/09/730,893  
; CURRENT FILING DATE: 2000-12-05  
; PRIOR APPLICATION NUMBER: 09/244,675  
; PRIOR FILING DATE: 1999-04-02  
; PRIOR APPLICATION NUMBER: 60/073,629  
; PRIOR FILING DATE: 1998-04-02  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 6  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Primer  
US-09-730-893-1

Query Match 100.0%; Score 6; DB 4; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||||

Db 1 TTAGGG 6  
RESULT 18  
US-09-042-460-7  
; Sequence 7, Application US/09042460  
; Patent No. 6767719  
; GENERAL INFORMATION:  
; APPLICANT: Morin, Gregg B.  
; APPLICANT: Allsopp, Richard  
; APPLICANT: DePinho, Ronald  
; APPLICANT: Greenberg, Roger  
; TITLE OF INVENTION: Mouse Telomerase Reverse Transcriptase  
; NUMBER OF SEQUENCES: 101  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/042,460  
; FILING DATE: 16-MAR-1998  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/846,017  
; FILING DATE: 25-APR-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/851,843  
; FILING DATE: 06-MAY-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/854,050  
; FILING DATE: 09-MAY-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/911,312  
; FILING DATE: 14-AUG-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/912,951  
; FILING DATE: 14-AUG-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/915,503  
; FILING DATE: 14-AUG-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/US97/17618  
; FILING DATE: 01-OCT-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/US97/17885  
; FILING DATE: 01-OCT-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/974,549  
; FILING DATE: 19-NOV-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/974,584  
; FILING DATE: 19-NOV-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/979,742  
; FILING DATE: 26-NOV-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Einhorn, Gregory P.  
; REGISTRATION NUMBER: 38,440  
; REFERENCE/DOCKET NUMBER: 015389-003110US

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: 1..6  
LOCATION: 1..6  
OTHER INFORMATION: /note= "human telomeric repeat"  
US-09-042-460-7

Query Match 100.0%; Score 6; DB 4; Length 6;  
Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 1 TTAGGG 6

RESULT 19  
PCT-US96-01206-1  
Sequence 1, Application PC/TUS9601206  
GENERAL INFORMATION:  
APPLICANT: Iverson, Patrick L.  
TITLE OF INVENTION: Synthetic Oligodeoxynucleotides Which  
Mimic Telomeric Sequences for Use in the Treatment of  
Cancer and other Diseases  
TITLE OF INVENTION: Mimic Telomeric Sequences for Use in the Treatment of  
Cancer and other Diseases  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Zarley, McKee, Thome, Voorhees & Sease  
STREET: 801 Grand Avenue Suite 3200  
CITY: Des Moines  
STATE: Iowa  
COUNTRY: United States  
ZIP: 50309  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/01206  
FILING DATE:

CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/381,097  
FILING DATE: 31-JAN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Nebel, Heidi S.  
REGISTRATION NUMBER: 37,719  
REFERENCE/DOCKET NUMBER: UNMC# 63092  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 515-288-3667  
TELEFAX: 515-288-1338  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
PCT-US96-01206-1

Query Match 100.0%; Score 6; DB 5; Length 6;

Best Local Similarity 100.0%; Pred. No. 2.7e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 TTAGGG 6  
Db 1 TTAGGG 6  
RESULT 20  
US-08-729-598-8  
Sequence 8, Application US/08729598  
Patent No. 6001657  
GENERAL INFORMATION:  
APPLICANT: Hardin, Charles C.  
APPLICANT: Brown II, Bernard A.  
APPLICANT: Roberts, John J.  
APPLICANT: Pelsue, Stephen A.  
TITLE OF INVENTION: Antibodies That Selectively Bind  
Quadruplex Nucleic Acids  
TITLE OF INVENTION: Quadruplex Nucleic Acids  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sorojini J. Biswas  
STREET: P.O. Box 37428  
CITY: Raleigh  
STATE: No. 6001657th Carolina  
COUNTRY: USA  
ZIP: 27627  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/729,598  
FILING DATE: 11-OCT-1996  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Biswas, Sorojini J.  
REGISTRATION NUMBER: 39,111  
REFERENCE/DOCKET NUMBER: 5051-301A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (919) 854-1400  
TELEFAX: (919) 854-1401  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: not relevant  
MOLECULE TYPE: DNA (genomic)  
US-08-729-598-8

Query Match 100.0%; Score 6; DB 3; Length 7;  
Best Local Similarity 100.0%; Pred. No. 2.3e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 2 TTAGGG 7

RESULT 21  
US-09-940-173A-6  
Sequence 6, Application US/09940173A  
Patent No. 6623930  
GENERAL INFORMATION:  
APPLICANT: KERWIN, SEAN M.  
APPLICANT: FEDOROFF, OLEG Y.  
APPLICANT: SALAZAR, MIGUEL  
APPLICANT: HURLEY, LAURENCE H.  
TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A  
G-QUADRUPLIX-INTERACTION COMPOUND  
FILE REFERENCE: UTSB:679USD2

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; CURRENT APPLICATION NUMBER: US/09/940,173A
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: 09/730,893
; PRIOR FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/244,675
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/073,629
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
US-09-940-173A-6

Query Match          100.0%; Score 6; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.3e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 22
US-09-730-893-6
; Sequence 6, Application US/09730893
; Patent No. 6689887
; GENERAL INFORMATION:
; APPLICANT: KERWIN, SEAN M.
; APPLICANT: FEDOROFF, OLEG Y.
; APPLICANT: SALAZAR, MIGUEL
; APPLICANT: HURLEY, LAURENCE H.
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A
; FILE REFERENCE: G-QUADRUPLEX-INTERACTION COMPOUND
; FILE REFERENCE: UTSB:679USC1
; CURRENT APPLICATION NUMBER: US/09/730,893
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/244,675
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/073,629
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
US-09-730-893-6

Query Match          100.0%; Score 6; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.3e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 23
US-08-838-545-15
; Sequence 15, Application US/08838545
; Patent No. 6046307
; GENERAL INFORMATION:
; APPLICANT: Shay, Jerry W.
; APPLICANT: Wright, Woodring E.
; APPLICANT: Piatyszek, Mieczyslaw A.
; APPLICANT: Corey, David R.
; APPLICANT: No. 6046307ton, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; TITLE OF INVENTION: Peptide Nucleic Acids
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
```

```
; APPLICANT: Piatyszek, Mieczyslaw A.
; APPLICANT: Corey, David R.
; APPLICANT: No. 6046307ton, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; TITLE OF INVENTION: Peptide Nucleic Acids
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/838,545
; FILING DATE: 09-APR-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/630,019
; FILING DATE: 09-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),
; DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleoside bases via
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"
US-08-838-545-15

Query Match          100.0%; Score 6; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 2e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 2 TTAGGG 7

RESULT 24
US-08-838-545-30/c
; Sequence 30, Application US/08838545
; Patent No. 6046307
; GENERAL INFORMATION:
; APPLICANT: Shay, Jerry W.
; APPLICANT: Wright, Woodring E.
; APPLICANT: Piatyszek, Mieczyslaw A.
; APPLICANT: Corey, David R.
; APPLICANT: No. 6046307ton, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; TITLE OF INVENTION: Peptide Nucleic Acids
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
```



ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/838,545  
FILING DATE: 09-APR-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/630,019  
FILING DATE: 09-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-001610US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 8 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by  
DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
DESCRIPTION: glycine amino N through a methylenecarbonyl linker"  
US-08-838-545-30

Query Match 100.0%; Score 6; DB 3; Length 8;  
Best Local Similarity 100.0%; Pred. No. 2e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6  
DB 7 TTAGGG 2

RESULT 25  
US-08-838-545-34  
Sequence 34, Application US/08838545  
Patent No. 6046307  
GENERAL INFORMATION:  
APPLICANT: Shay, Jerry W.  
APPLICANT: Wright, Woodring E.  
APPLICANT: Piatyszek, Mieczyslaw A.  
APPLICANT: Corey, David R.  
APPLICANT: No. 6046307ton, James C.  
TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
TITLE OF INVENTION: Peptide Nucleic Acids  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/838,545  
FILING DATE: 09-APR-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/630,019

FILING DATE: 09-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-001610US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 34:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 8 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by  
DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
DESCRIPTION: glycine amino N through a methylenecarbonyl linker"  
US-08-838-545-34

Query Match 100.0%; Score 6; DB 3; Length 8;  
Best Local Similarity 100.0%; Pred. No. 2e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6  
DB 2 TTAGGG 7

RESULT 26  
US-09-349-532-15  
Sequence 15, Application US/09349532  
Patent No. 6294650  
GENERAL INFORMATION:  
APPLICANT: Shay, Jerry W.  
APPLICANT: Wright, Woodring E.  
APPLICANT: Piatyszek, Mieczyslaw A.  
APPLICANT: Corey, David R.  
APPLICANT: No. 6294650ton, James C.  
TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
TITLE OF INVENTION: Peptide Nucleic Acids  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/349,532  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/838,545

; FILING DATE: 09-APR-1997  
; APPLICATION NUMBER: US 08/630,019  
; FILING DATE: 09-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; TELECOMMUNICATION INFORMATION:  
; REFERENCE/DOCKET NUMBER: 015389-001610US  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by  
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"  
US-09-349-532-15

Query Match 100.0%; Score 6; DB 3; Length 8;  
Best Local Similarity 100.0%; Pred. No. 2e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 2 TTAGGG 7

RESULT 27  
US-09-349-532-30/c  
; Sequence 30, Application US/09349532  
; Patent No. 6294650  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatuszek, Mieczyslaw A.  
; APPLICANT: Corey, David R.  
; APPLICANT: No. 6294650ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/349,532  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/838,545  
; FILING DATE: 09-APR-1997  
; APPLICATION NUMBER: US 08/630,019  
; FILING DATE: 09-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001610US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300

; INFORMATION FOR SEQ ID NO: 30:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by  
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"  
US-09-349-532-30

Query Match 100.0%; Score 6; DB 3; Length 8;  
Best Local Similarity 100.0%; Pred. No. 2e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 7 TTAGGG 2

RESULT 28  
US-09-349-532-34  
; Sequence 34, Application US/09349532  
; Patent No. 6294650  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatuszek, Mieczyslaw A.  
; APPLICANT: Corey, David R.  
; APPLICANT: No. 6294650ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/349,532  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/838,545  
; FILING DATE: 09-APR-1997  
; APPLICATION NUMBER: US 08/630,019  
; FILING DATE: 09-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001610US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 34:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by  
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via

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; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 1
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION: /note= "N = 1-50 peptide nucleic acid nucleobases, selected
; OTHER INFORMATION: U, T, A, G, i or C"
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 8
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION: /note= "N = 1-50 peptide nucleic acid nucleobases, selected
; OTHER INFORMATION: U, T, A, G, i or C"
; US-09-349-532-34
Query Match 100.0%; Score 6; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 2e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTAGGG 6
Db 2 TTAGGG 7
RESULT 29
US-09-940-173A-4
; Sequence 4, Application US/09940173A
; Patent No. 6623930
; GENERAL INFORMATION:
; APPLICANT: KERWIN, SEAN M.
; APPLICANT: FEDOROFF, OLEG Y.
; APPLICANT: SALAZAR, MIGUEL
; APPLICANT: HURLEY, LAURENCE H.
; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A
; TITLE OF INVENTION: G-QUADRUPLIX-INTERACTION COMPOUND
; FILE REFERENCE: UTSB:679USD2
; CURRENT APPLICATION NUMBER: US/09/940,173A
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: 09/730,893
; PRIOR FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/244,675
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/073,629
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 8
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
; US-09-940-173A-4
Query Match 100.0%; Score 6; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 2e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTAGGG 6
Db 1 TTAGGG 6
RESULT 30
US-09-730-893-4
; Sequence 4, Application US/09730893
; Patent No. 6689887
; GENERAL INFORMATION:
; APPLICANT: KERWIN, SEAN M.
; APPLICANT: FEDOROFF, OLEG Y.
; APPLICANT: SALAZAR, MIGUEL
; APPLICANT: HURLEY, LAURENCE H.
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; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A
; TITLE OF INVENTION: G-QUADRUPLIX-INTERACTION COMPOUND
; FILE REFERENCE: UTSB:679USC1
; CURRENT APPLICATION NUMBER: US/09/730,893
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/244,675
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/073,629
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 8
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
; US-09-730-893-4
Query Match 100.0%; Score 6; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 2e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTAGGG 6
Db 1 TTAGGG 6
RESULT 31
US-08-337-684-3
; Sequence 3, Application US/08337684
; Patent No. 5686306
; GENERAL INFORMATION:
; APPLICANT: West, Michael David
; APPLICANT: Shay, Jerry
; APPLICANT: Wright, Woodring E.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR
; TITLE OF INVENTION: MEASURING TELOMERES
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/337,684
; FILING DATE: No. 5686306ember 10, 1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/151,477
; FILING DATE: No. 5686306ember 12, 1993
; APPLICATION NUMBER: 08/153,051
; FILING DATE: No. 5686306ember 12, 1993
; APPLICATION NUMBER: 08/060,952
; FILING DATE: May 13, 1993
; APPLICATION NUMBER: 08/038,766
; FILING DATE: March 24, 1993
; APPLICATION NUMBER: 07/882,438
; FILING DATE: May 13, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/085
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; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-337-684-3

Query Match 100.0%; Score 6; DB 1; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.8e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
| | | | |  
Db 1 TTAGGG 6

RESULT 32  
US-08-630-019A-27  
; Sequence 27, Application US/08630019A  
; Patent No. 6015710  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David  
; APPLICANT: No. 6015710ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; NUMBER OF SEQUENCES: 46  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/630,019A  
; FILING DATE: 09-JUN-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001600US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 27:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by  
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; DESCRIPTION: glycine amino nitrogen through a methylenecarbonyl linker."  
US-08-630-019A-27

Query Match 100.0%; Score 6; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.8e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
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Db 4 TTAGGG 9  
  
RESULT 33  
US-09-069-434-14  
; Sequence 14, Application US/09069434  
; Patent No. 6017709  
; GENERAL INFORMATION:  
; APPLICANT: HARDIN, Susan H.  
; APPLICANT: YING, Jun  
; APPLICANT: JONES, Leslie Borgan  
; TITLE OF INVENTION: DNA Replication Templates Stabilized by  
; TITLE OF INVENTION: Guanine Quartets  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fulbright & Jaworski L.L.P.  
; STREET: 1301 McKinney, Suite 5100  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: U.S.A.  
; ZIP: 77010-3095  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA: US/09/069,434  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DAVIDSON, Ross E.  
; REGISTRATION NUMBER: P-41,698  
; REFERENCE/DOCKET NUMBER: P-01480US0  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 713/651-5144  
; TELEFAX: 713/651-5246  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "Oligonucleotide"  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-09-069-434-14

Query Match 100.0%; Score 6; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.8e+08;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
| | | | |  
Db 4 TTAGGG 9

RESULT 34  
US-08-638-545-16  
; Sequence 16, Application US/08838545  
; Patent No. 6046307  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David R.  
; APPLICANT: No. 6046307ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids

```

; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/838,545
; FILING DATE: 09-APR-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/630,019
; FILING DATE: 09-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"
US-08-838-545-16

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```

Query Match 100.0%; Score 6; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 TTAGGG 6
Db 3 TTAGGG 8

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RESULT 35
US-09-349-532-16
; Sequence 16, Application US/09349532
; Patent No. 6294650
; GENERAL INFORMATION:
; APPLICANT: Shay, Jerry W.
; APPLICANT: Wright, Woodring E.
; APPLICANT: Flatuszek, Mieczyslaw A.
; APPLICANT: Corey, David R.
; APPLICANT: No. 6294650ton, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; TITLE OF INVENTION: Peptide Nucleic Acids
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/349,532
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/838,545
; FILING DATE: 09-APR-1997
; APPLICATION NUMBER: US 08/630,019
; FILING DATE: 09-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"
US-09-349-532-16

```

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Query Match 100.0%; Score 6; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

Qy 1 TTAGGG 6
Db 3 TTAGGG 8

```

```

RESULT 36
US-08-192-300-18
; Sequence 18, Application US/08192300
; Patent No. 5580759
; GENERAL INFORMATION:
; APPLICANT: Yang, Yih-Sheng
; APPLICANT: Tucker, Philip W.
; APPLICANT: Capra, J. Donald
; TITLE OF INVENTION: CONSTRUCTION OF RECOMBINANT DNA BY
; TITLE OF INVENTION: EXONUCLEASE RESECTION
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/192,300
; FILING DATE: February 3, 1994
; CLASSIFICATION: 535
; ATTORNEY/AGENT INFORMATION:
; NAME: Denise L. Mayfield
; REGISTRATION NUMBER: 33,732
; REFERENCE/DOCKET NUMBER: UTSD:327
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 320-7200
; TELEFAX: (512) 474-7577

```

; INFORMATION FOR SEQ ID NO: 18:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: Nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: Oligonucleotide  
US-08-192-300-18

Query Match 100.0%; Score 6; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 8.8e+04;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||||  
Db 5 TTAGGG 10

RESULT 37  
US-08-531-743-10  
; Sequence 10, Application US/08531743  
; Patent No. 5856096  
; GENERAL INFORMATION:  
; APPLICANT: Windle, Bradford E.  
; APPLICANT: Qiu, Ming  
; APPLICANT: Chen, Shi-fong  
; APPLICANT: Fletcher, Terace M.  
; APPLICANT: Maine, Ira  
; TITLE OF INVENTION: Rapid and Sensitive Assays for Detecting and  
; TITLE OF INVENTION: Distinguishing Between Processive and  
; TITLE OF INVENTION: No. 5856096-Processive Telomerase Activities  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: United States of America  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/531,743  
; FILING DATE: 20-SEP-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Highlander, Steven L.  
; REGISTRATION NUMBER: 37,642  
; REFERENCE/DOCKET NUMBER: CTRC:026/HYL  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (512) 418-3000  
; TELEFAX: (512) 474-7577  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-531-743-10.

Query Match 100.0%; Score 6; DB 2; Length 10;  
Best Local Similarity 100.0%; Pred. No. 8.8e+04;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||||  
Db 1 TTAGGG 6

RESULT 38

US-08-630-019A-8  
; Sequence 8, Application US/08630019A  
; Patent No. 6015710  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David  
; APPLICANT: No. 6015710ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 46  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/630,019A  
; FILING DATE: 09-JUN-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001600US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by  
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; DESCRIPTION: glycine amino nitrogen through a methylenecarbonyl linker"  
US-08-630-019A-8

Query Match 100.0%; Score 6; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 8.8e+04;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
|||||  
Db 1 TTAGGG 6

RESULT 39  
US-08-838-545-7  
; Sequence 7, Application US/08838545  
; Patent No. 6046307  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David R.  
; APPLICANT: No. 6046307ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
;

CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/838,545  
FILING DATE: 09-APR-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/630,019  
FILING DATE: 09-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-001610US  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid (PNA),  
DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by  
DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
DESCRIPTION: glycine amino N through a methylenecarbonyl linker"  
US-08-838-545-7

Query Match 100.0%; Score 6; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 8.8e+04;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 1 TTAGGG 6

RESULT 40  
US-08-838-545-11/c  
Sequence 11, Application US/08838545  
Patent No. 6046307  
GENERAL INFORMATION:  
APPLICANT: Shay, Jerry W.  
APPLICANT: Wright, Woodring E.  
APPLICANT: Piatyzsek, Mieczyslaw A.  
APPLICANT: Corey, David R.  
APPLICANT: No. 6046307con, James C.  
TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
TITLE OF INVENTION: Peptide Nucleic Acids  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/838,545  
FILING DATE: 09-APR-1997

CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/630,019  
FILING DATE: 09-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-001610US  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: -  
LOCATION: 1..10  
OTHER INFORMATION: /note= "template region of the RNA  
OTHER INFORMATION: component of human telomerase (hTR)"  
US-08-838-545-11

Query Match 100.0%; Score 6; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 8.8e+04;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6  
Db 10 TTAGGG 5

Search completed: July 12, 2005, 21:41:33  
Job time : 36.3924 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 18:12:19 ; Search time 565.316 Seconds  
(without alignments)  
222.117 Million cell updates/sec

Title: US-09-540-843-8

Perfect score: 20

Sequence: 1 gcagtcgcatcgtacg 20

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 6330945 seqs, 3139162390 residues

Total number of hits satisfying chosen parameters: 7146590

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Published Applications NA:\*

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13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*  
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22: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*  
23: /cgn2\_6/ptodata/2/pubpna/US11A\_PUBCOMB.seq.\*  
24: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*  
25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*  
26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	20	14	US-10-122-630-8
2	20	100.0	20	14	US-10-122-633-8
3	14.4	72.0	75	19	US-10-430-201-846
4	14.4	72.0	75	19	US-10-430-201-847
5	14.4	72.0	75	19	US-10-430-201-848
6	14.2	71.0	25	21	US-10-719-900-18303
7	14.2	71.0	25	21	US-10-719-900-665799
					Sequence 8, Appli
					Sequence 8, Appli
					Sequence 846, App
					Sequence 847, App
					Sequence 848, App
					Sequence 18303, A
					Sequence 665799, A

8	14.2	71.0	123	20	US-10-425-115-178377	Sequence 178377, A
9	14.2	71.0	141	17	US-10-282-122A-11843	Sequence 11843, A
10	14.2	71.0	153	11	US-09-727-892-32	Sequence 32, Appl
11	14.2	71.0	175	19	US-10-437-963-71654	Sequence 71654, A
12	14.2	71.0	191	19	US-10-437-963-32687	Sequence 32687, A
13	13.8	69.0	25	21	US-10-719-900-102233	Sequence 102233, A
14	13.8	69.0	25	21	US-10-719-900-102234	Sequence 102234, A
15	13.8	69.0	162	8	US-08-781-986A-1694	Sequence 1694, Ap
16	13.8	69.0	162	18	US-10-329-624-1694	Sequence 1694, Ap
17	13.8	69.0	173	18	US-10-424-599-76449	Sequence 76449, A
18	13.8	69.0	177	18	US-10-424-599-1569	Sequence 1569, Ap
19	13.8	69.0	180	18	US-10-424-599-59127	Sequence 59127, A
20	13.8	69.0	187	18	US-10-424-599-76527	Sequence 76527, A
21	13.8	69.0	192	20	US-10-425-115-148817	Sequence 148817, A
22	13.6	68.0	25	21	US-10-719-900-573924	Sequence 573924, A
23	13.6	68.0	112	19	US-10-437-963-46744	Sequence 46744, A
24	13.6	68.0	165	17	US-10-242-535A-18933	Sequence 18933, A
25	13.6	68.0	165	18	US-10-085-783A-18933	Sequence 18933, A
26	13.6	68.0	177	20	US-10-425-115-15874	Sequence 15874, A
27	13.6	68.0	179	19	US-10-437-963-87658	Sequence 87658, A
28	13.6	68.0	187	19	US-10-021-323-16957	Sequence 16957, A
29	13.4	67.0	25	21	US-10-719-900-356387	Sequence 356387, A
30	13.4	67.0	165	19	US-10-767-701-21523	Sequence 21523, A
31	13.4	67.0	175	9	US-09-728-444-656	Sequence 656, App
32	13.4	67.0	188	18	US-10-424-599-129131	Sequence 129131, A
33	13.2	66.0	25	21	US-10-719-900-632764	Sequence 632764, A
34	13.2	66.0	25	21	US-10-719-900-703238	Sequence 703238, A
35	13.2	66.0	25	22	US-10-843-527-1378	Sequence 1378, Ap
36	13.2	66.0	25	22	US-10-843-527-1383	Sequence 1383, Ap
37	13.2	66.0	25	22	US-10-843-527-236794	Sequence 236794, A
38	13.2	66.0	25	22	US-10-843-527-236799	Sequence 236799, A
39	13.2	66.0	99	9	US-09-969-373-431	Sequence 431, App
40	13.2	66.0	99	9	US-09-969-373-516	Sequence 516, App
41	13.2	66.0	102	19	US-10-674-124A-20469	Sequence 20469, A
42	13.2	66.0	128	18	US-10-424-599-65688	Sequence 65688, A
43	13.2	66.0	131	19	US-10-437-963-96687	Sequence 96687, A
44	13.2	66.0	138	17	US-10-260-238-5712	Sequence 5712, Ap
45	13.2	66.0	139	17	US-10-242-535A-6362	Sequence 6362, Ap
46	13.2	66.0	139	18	US-10-085-783A-6262	Sequence 6262, Ap
47	13.2	66.0	144	19	US-10-674-124A-25250	Sequence 25250, A
48	13.2	66.0	144	19	US-10-674-124A-20881	Sequence 20881, A
49	13.2	66.0	157	20	US-10-424-599-66570	Sequence 66570, A
50	13.2	66.0	182	20	US-10-425-115-39112	Sequence 39112, A
51	13.2	66.0	182	20	US-10-425-115-176104	Sequence 176104, A
52	13.2	66.0	185	19	US-10-674-124A-20880	Sequence 20880, A
53	13.2	66.0	188	18	US-10-424-599-32750	Sequence 32750, A
54	13	65.0	17	15	US-10-194-035-95	Sequence 95, Appl
55	13	65.0	33	21	US-10-473-508A-7	Sequence 7, Appl
56	13	65.0	106	9	US-09-969-373-854	Sequence 854, App
57	13	65.0	106	9	US-09-969-373-855	Sequence 855, App
58	13	65.0	109	9	US-09-969-373-494	Sequence 494, App
59	13	65.0	130	9	US-09-294-093B-5343	Sequence 5343, Ap
60	13	65.0	150	10	US-09-754-853A-76	Sequence 76, Appl
61	13	65.0	150	10	US-09-754-853A-78	Sequence 78, Appl
62	13	65.0	182	9	US-09-923-876-2073	Sequence 2073, Ap
63	13	65.0	182	10	US-09-923-876-2073	Sequence 2073, Ap
64	13	65.0	197	20	US-10-425-115-167319	Sequence 167319, A
65	13	65.0	200	20	US-10-425-115-164060	Sequence 164060, A
66	12.8	64.0	25	21	US-10-719-900-106642	Sequence 106642, A
67	12.8	64.0	25	21	US-10-719-900-145211	Sequence 145211, A
68	12.8	64.0	25	21	US-10-719-900-201783	Sequence 201783, A
69	12.8	64.0	25	21	US-10-719-900-236004	Sequence 236004, A
70	12.8	64.0	25	21	US-10-719-900-325872	Sequence 325872, A
71	12.8	64.0	25	21	US-10-719-900-540690	Sequence 540690, A
72	12.8	64.0	25	21	US-10-719-900-543037	Sequence 543037, A
73	12.8	64.0	25	21	US-10-719-900-543255	Sequence 543255, A
74	12.8	64.0	25	21	US-10-719-900-762598	Sequence 762598, A
75	12.8	64.0	25	21	US-10-719-900-867481	Sequence 867481, A
76	12.8	64.0	25	21	US-10-719-900-867482	Sequence 867482, A
77	12.8	64.0	25	21	US-10-809-189-4286	Sequence 4286, Ap
78	12.8	64.0	25	21	US-10-809-189-4287	Sequence 4287, Ap
79	12.8	64.0	25	21	US-10-956-157-245779	Sequence 245779, A
80	12.8	64.0	60	10	US-09-908-975-10266	Sequence 10266, A

Sequence 168, App  
Sequence 20497, A  
Sequence 59525, A  
Sequence 62748, A  
Sequence 147546, A  
Sequence 18011, A  
Sequence 169, App  
Sequence 107, App  
Sequence 73, Appl  
Sequence 18304, A  
Sequence 220477, A  
Sequence 245635, A  
Sequence 363742, A  
Sequence 397267, A  
Sequence 630959, A  
Sequence 665798, A  
Sequence 888544, A  
Sequence 919238, A  
Sequence 248869, A  
Sequence 56, Appl

## ALIGNMENTS

RESULT 1  
US-10-122-630-8  
; Sequence 8, Application US/10122630  
; Publication No. US2003032610A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-018  
; CURRENT APPLICATION NUMBER: US/10/122,630  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 08/467,012  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: PCT/US96/08386  
; PRIOR FILING DATE: 1996-06-03  
; PRIOR APPLICATION NUMBER: US 09/048,927  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-630-8

Query Match 100.0%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.4; Indels 0; Gaps 0;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTACG 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 GCATGCATGCATTACGTACG 20

RESULT 2  
US-10-122-633-8  
; Sequence 8, Application US/10122633  
; Publication No. US2003032611A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.

; APPLICANT: Eller, Mark S.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-019  
; CURRENT APPLICATION NUMBER: US/10/122,633  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-633-8

Query Match 100.0%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.4; Indels 0; Gaps 0;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTACG 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 GCATGCATGCATTACGTACG 20

RESULT 3  
US-10-430-201-846/c  
; Sequence 846, Application US/10430201  
; Publication No. US20040162679A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Linheng  
; TITLE OF INVENTION: Method for Predicting Gene Potential and Cell Commitment  
; FILE REFERENCE: 40716 (IP-010)  
; CURRENT APPLICATION NUMBER: US/10/430,201  
; CURRENT FILING DATE: 2003-05-05  
; PRIOR APPLICATION NUMBER: US 60/370,114  
; PRIOR FILING DATE: 2002-05-03  
; NUMBER OF SEQ ID NOS: 4879  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 846  
; LENGTH: 75  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-10-430-201-846

Query Match 72.0%; Score 14.4; DB 19; Length 75;  
Best Local Similarity 93.8%; Pred. No. 2.7e+03;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 ATGCATGCATTACGTA 18  
| | | | | | | | | | | | | | | | | | | | | |  
Db 54 ATGCATGCATTACGTA 39

RESULT 4  
US-10-430-201-847/c  
; Sequence 847, Application US/10430201  
; Publication No. US20040162679A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Linheng  
; TITLE OF INVENTION: Method for Predicting Gene Potential and Cell Commitment  
; FILE REFERENCE: 40716 (IP-010)  
; CURRENT APPLICATION NUMBER: US/10/430,201  
; CURRENT FILING DATE: 2003-05-05  
; PRIOR APPLICATION NUMBER: US 60/370,114  
; PRIOR FILING DATE: 2002-05-03  
; NUMBER OF SEQ ID NOS: 4879  
; SOFTWARE: PatentIn version 3.2

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; SEQ ID NO 847
; LENGTH: 75
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-430-201-847

Query Match
Best Local Similarity 72.0%; Score 14.4; DB 19; Length 75;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 ATGCATGCATTACGTA 18
Db 54 ATGCATGCATAACGTA 39

RESULT 5
US-10-430-201-848/c
; Sequence 848, Application US/10430201
; Publication No. US20040162679A1
; GENERAL INFORMATION:
; APPLICANT: Li, Linheng
; TITLE OF INVENTION: Method for Predicting Gene Potential and Cell Commitment
; FILE REFERENCE: 40716 (IP-010)
; CURRENT APPLICATION NUMBER: US/10/430,201
; PRIOR FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 60/370,114
; PRIOR FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 4879
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 848
; LENGTH: 75
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-430-201-848

Query Match
Best Local Similarity 72.0%; Score 14.4; DB 19; Length 75;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 ATGCATGCATTACGTA 18
Db 54 ATGCATGCATAACGTA 39

RESULT 6
US-10-719-900-18303/c
; Sequence 18303, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; PRIOR FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 18303
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-18303

Query Match
Best Local Similarity 71.0%; Score 14.2; DB 21; Length 25;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTAC 19
Db 24 GCATGCATGCATTACGTAC 6

RESULT 7
US-10-719-900-665799/c
; Sequence 665799, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; PRIOR FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 665799
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-665799

Query Match
Best Local Similarity 71.0%; Score 14.2; DB 21; Length 25;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTAC 19
Db 19 GTATGCACGCATTATGTAC 1

RESULT 8
US-10-425-115-178377
; Sequence 178377, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 178377
; LENGTH: 123
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MFT4577_94267C.1
US-10-425-115-178377

Query Match
Best Local Similarity 71.0%; Score 14.2; DB 20; Length 123;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTAC 19
Db 86 GCATGCACGCATGACGGAC 104

RESULT 9
US-10-282-122A-11843/c
; Sequence 11843, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
```

; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELTRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282.122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 11843  
; LENGTH: 141  
; TYPE: DNA  
; ORGANISM: Burkholderia cepacia  
US-10-282-122A-11843  
Query Match 71.0%; Score 14.2; DB 17; Length 141;  
Best Local Similarity 84.2%; Pred. No. 3.4e+03;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Qy 1 GCATGCATGCATTACGTAC 19  
Db 38 GCCTGCATGCATACGGAC 20  
RESULT 10  
US-09-727-892-32/c  
; Sequence 32, Application US/09727892  
; Publication No. US20040091856A1  
; GENERAL INFORMATION:  
; APPLICANT: Phagotech, Inc.  
; APPLICANT: PELLETIER, Jerry  
; APPLICANT: GROS, Philippe  
; APPLICANT: DUBOW, Michael  
; TITLE OF INVENTION: DNA SEQUENCES FROM STAPHYLOCOCCUS AUREUS BACTERIOPHAGE 44 AHJD  
; FILE REFERENCE: 073406-0302  
; CURRENT APPLICATION NUMBER: US/09/727,892  
; CURRENT FILING DATE: 2000-12-01  
; NUMBER OF SEQ ID NOS: 159  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 32  
; LENGTH: 153  
; TYPE: DNA  
; ORGANISM: Staphylococcus aureus Bacteriophage 44 AHJD  
US-09-727-892-32  
Query Match 71.0%; Score 14.2; DB 11; Length 153;  
Best Local Similarity 84.2%; Pred. No. 3.5e+03;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTAC 19  
Db 70 GCATACCTGCATTACGTTTC 52  
RESULT 11  
US-10-437-963-71654/c  
; Sequence 71654, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 71654  
; LENGTH: 175  
; TYPE: DNA  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_72107C.1  
US-10-437-963-71654  
Query Match 71.0%; Score 14.2; DB 19; Length 175;  
Best Local Similarity 84.2%; Pred. No. 3.5e+03;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Qy 2 CATGCATGCATTACGTACG 20  
Db 46 CATCCATGCATTCCTTACG 28  
RESULT 12  
US-10-437-963-32687/c  
; Sequence 32687, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 32687  
; LENGTH: 191  
; TYPE: DNA  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_36871C.1  
US-10-437-963-32687  
Query Match 71.0%; Score 14.2; DB 19; Length 191;  
Best Local Similarity 84.2%; Pred. No. 3.5e+03;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Qy 2 CATGCATGCATTACGTACG 20



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; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1694:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 162 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1694:
US-10-329-624-1694

Query Match          69.0%; Score 13.8; DB 18; Length 162;
Best Local Similarity 88.2%; Pred. No. 5.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 4 TGCATGCATTACGTACG 20
Db 50 TACATGCAATACGTACG 66

RESULT 17
US-10-424-599-76449
; Sequence 76449, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 76449
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_40045C.1
US-10-424-599-76449

Query Match          69.0%; Score 13.8; DB 18; Length 173;
Best Local Similarity 88.2%; Pred. No. 5.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 ATGCATGCATTACGTAC 19
Db 48 ATGCATGCATTACAGAC 64

RESULT 18
US-10-424-599-1569
; Sequence 1569, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28

; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1694:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 162 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1694:
US-10-329-624-1694

Query Match          69.0%; Score 13.8; DB 18; Length 177;
Best Local Similarity 88.2%; Pred. No. 5.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 ATGCATGCATTACGTAC 19
Db 98 ATGCATCCATTACTTAC 114

RESULT 19
US-10-424-599-59127/c
; Sequence 59127, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 59127
; LENGTH: 180
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_24402C.1
US-10-424-599-59127

Query Match          69.0%; Score 13.8; DB 18; Length 180;
Best Local Similarity 88.2%; Pred. No. 5.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGT 17
Db 178 GCATCCATGCATTCCGT 162

RESULT 20
US-10-424-599-76527
; Sequence 76527, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 76527
; LENGTH: 187
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(187)
; OTHER INFORMATION: unsure at all n locations
```

FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_40115C.1  
US-10-424-599-76527

Query Match 69.0%; Score 13.8; DB 18; Length 187;  
Best Local Similarity 88.2%; Pred. No. 5.5e+03;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 TGCATGCATTACGTACG 20  
|||||  
DB 90 TGCATGCATTGCTTACG 106  
|||||

RESULT 21  
US-10-425-115-148817  
; Sequence 148817, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 148817  
; LENGTH: 192  
; TYPE: DNA  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_67247C.1  
US-10-425-115-148817

Query Match 69.0%; Score 13.8; DB 20; Length 192;  
Best Local Similarity 88.2%; Pred. No. 5.5e+03;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCATGCATGCATTACGT 17  
|||||  
DB 41 GCATGCTTGCTTGGT 57  
|||||

RESULT 22  
US-10-719-900-573924/c  
; Sequence 573924, Application US/10719900  
; Publication No. US20050026164A1  
; GENERAL INFORMATION:  
; APPLICANT: Xue Mei Zhou  
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse  
; FILE REFERENCE: 3528.1  
; CURRENT APPLICATION NUMBER: US/10/719,900  
; CURRENT FILING DATE: 2003-11-20  
; PRIOR APPLICATION NUMBER: 60/427,808  
; PRIOR FILING DATE: 2002 11 20  
; NUMBER OF SEQ ID NOS: 982914  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 573924  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-10-719-900-573924

Query Match 68.0%; Score 13.6; DB 21; Length 25;  
Best Local Similarity 80.0%; Pred. No. 6.3e+03;  
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCATGCATGCATTACGTACG 20  
|||||  
DB 25 GGATGCTTGACTACGTACG 6  
|||||

RESULT 23  
US-10-437-963-46744  
; Sequence 46744, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 46744  
; LENGTH: 112  
; TYPE: DNA  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_49581C.1  
US-10-437-963-46744

Query Match 68.0%; Score 13.6; DB 19; Length 112;  
Best Local Similarity 80.0%; Pred. No. 6.7e+03;  
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCATGCATGCATTACGTACG 20  
|||||  
DB 1 GCAAGCAACATTACGTAAG 20  
|||||

RESULT 24  
US-10-242-535A-18933/c  
; Sequence 18933, Application US/10242535A  
; Publication No. US20040013663A1  
; GENERAL INFORMATION:  
; APPLICANT: ChondroGene Inc.  
; APPLICANT: Liaw, C.C.  
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis  
; FILE REFERENCE: 4231/2005  
; CURRENT APPLICATION NUMBER: US/10/242,535A  
; CURRENT FILING DATE: 2002-09-12  
; PRIOR APPLICATION NUMBER: US 10/085,783  
; PRIOR FILING DATE: 2002-02-28  
; PRIOR APPLICATION NUMBER: US 60/305,340  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/275,017  
; PRIOR FILING DATE: 2001-03-12  
; PRIOR APPLICATION NUMBER: US 60/271,955  
; PRIOR FILING DATE: 2001-02-28  
; NUMBER OF SEQ ID NOS: 58994  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 18933  
; LENGTH: 165  
; TYPE: DNA  
; ORGANISM: Human  
US-10-242-535A-18933

Query Match 68.0%; Score 13.6; DB 17; Length 165;  
Best Local Similarity 80.0%; Pred. No. 6.9e+03;  
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCATGCATGCATTACGTACG 20  
|||||  
DB 65 GCTTCATGCATTACCTAAG 46  
|||||

## RESULT 25

US-10-085-783A-18933/C  
; Sequence 18933, Application US/10085783A  
; Publication No. US20040037841A1  
; GENERAL INFORMATION:  
; APPLICANT: ChondroGene Inc.  
; APPLICANT: Liew, C.C.  
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis  
; FILE REFERENCE: 4231/2002  
; CURRENT APPLICATION NUMBER: US/10/085,783A  
; CURRENT FILING DATE: 2002-02-28  
; PRIOR APPLICATION NUMBER: US 60/305,340  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/275,017  
; PRIOR FILING DATE: 2001-03-12  
; PRIOR APPLICATION NUMBER: US 60/271,955  
; PRIOR FILING DATE: 2001-02-28  
; NUMBER OF SEQ ID NOS: 58994  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 18933  
; LENGTH: 165  
; TYPE: DNA  
; ORGANISM: Human  
US-10-085-783A-18933

Query Match 68.0%; Score 13.6; DB 18; Length 165;  
Best Local Similarity 80.0%; Pred. No. 6.9e+03;  
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTACG 20  
||| ||||| ||||| ||||| |||||  
Db 65 GCTTTCATGCATTACCTAAG 46

## RESULT 26

US-10-425-115-15874  
; Sequence 15874, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 15874  
; LENGTH: 177  
; TYPE: DNA  
; ORGANISM: Zea mays  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(177)  
; OTHER INFORMATION: unsure at all n locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_114478C.1  
US-10-425-115-15874

Query Match 68.0%; Score 13.6; DB 20; Length 177;  
Best Local Similarity 80.0%; Pred. No. 6.9e+03;  
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTACG 20  
||| ||||| ||||| ||||| |||||  
Db 36 GCATGCCAGCATCATGTACG 55

## RESULT 27

US-10-437-963-87658  
; Sequence 87658, Application US/10437963

Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 87658  
; LENGTH: 179  
; TYPE: DNA  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_86583C.1  
US-10-437-963-87658

Query Match 68.0%; Score 13.6; DB 19; Length 179;  
Best Local Similarity 80.0%; Pred. No. 6.9e+03;  
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTACG 20  
||| ||||| ||||| ||||| |||||  
Db 124 GGATCCAAAGCTTTACGTACG 143

## RESULT 28

US-10-021-323-16957  
; Sequence 16957, Application US/10021323  
; Publication No. US20040123340A1  
; GENERAL INFORMATION:  
; APPLICANT: Deikman, Jill  
; APPLICANT: Feng, Paul C.C.  
; APPLICANT: Fincher, Karen L.  
; APPLICANT: Ziegler, Todd E.  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(52274)B  
; CURRENT APPLICATION NUMBER: US/10/021,323  
; CURRENT FILING DATE: 2001-12-12  
; PRIOR APPLICATION NUMBER: US 60/255, 619  
; PRIOR FILING DATE: 2000-12-14  
; NUMBER OF SEQ ID NOS: 17880  
; SEQ ID NO 16957  
; LENGTH: 187  
; TYPE: DNA  
; ORGANISM: Gossypium hirsutum  
; FEATURE:  
; OTHER INFORMATION: Clone ID: LTB3829-026-Q6-N6-B3  
US-10-021-323-16957

Query Match 68.0%; Score 13.6; DB 19; Length 187;  
Best Local Similarity 80.0%; Pred. No. 6.9e+03;  
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTACG 20  
||| ||||| ||||| ||||| |||||  
Db 124 GCAIGCTTGCAACAGTACG 143

## RESULT 29

US-10-719-900-356387  
; Sequence 356387, Application US/10719900  
; Publication No. US20050026164A1  
; GENERAL INFORMATION:  
; APPLICANT: Xue Mei Zhou



; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse  
; FILE REFERENCE: 3528.1  
; CURRENT APPLICATION NUMBER: US/10/719,900  
; CURRENT FILING DATE: 2003-11-20  
; PRIOR APPLICATION NUMBER: 60/427,808  
; PRIOR FILING DATE: 2002 11 20  
; NUMBER OF SEQ ID NOS: 982914  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 356387  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-10-719-900-356387

Query Match 67.0%; Score 13.4; DB 21; Length 25;  
Best Local Similarity 93.3%; Pred. No. 7.9e+03;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 5 GCATGCATTAGTAC 19  
|||||  
Db 6 GCATGGATTAGTAC 20

## RESULT 30

US-10-767-701-21523/c  
; Sequence 21523, Application US/10767701  
; Publication No. US20040172684A1  
; GENERAL INFORMATION:  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement  
; FILE REFERENCE: 38-21(53535)B  
; CURRENT APPLICATION NUMBER: US/10/767,701  
; CURRENT FILING DATE: 2004-01-29  
; NUMBER OF SEQ ID NOS: 63128  
; SEQ ID NO 21523  
; LENGTH: 165  
; TYPE: DNA  
; ORGANISM: Sorghum bicolor  
; FEATURE:  
; OTHER INFORMATION: Clone ID: 13239548  
US-10-767-701-21523

Query Match 67.0%; Score 13.4; DB 19; Length 165;  
Best Local Similarity 93.3%; Pred. No. 8.6e+03;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTAC 15  
|||||  
Db 141 GCATGCATGAATTAC 127

## RESULT 31

US-09-728-444-656/c  
; Sequence 656, Application US/09728444  
; Patent No. US20020161207A1  
; GENERAL INFORMATION:  
; APPLICANT: Friedrich, Glenn  
; APPLICANT: Zambrowicz, Brian  
; APPLICANT: Sands, Arthur T.  
; TITLE OF INVENTION: No. US20020161207A1el Murine Polynucleotide Sequences  
; TITLE OF INVENTION: and Mutant Cells and Mutant Animals Defined Thereby  
; FILE REFERENCE: LEX-0100-USA  
; CURRENT APPLICATION NUMBER: US/09/728,444  
; CURRENT FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/168,360  
; PRIOR FILING DATE: 1999-12-01  
; NUMBER OF SEQ ID NOS: 1206  
; SOFTWARE: FastSeq for Windows: Version 4.0  
; SEQ ID NO 656  
; LENGTH: 175

; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(175)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-728-444-656

Query Match 67.0%; Score 13.4; DB 9; Length 175;  
Best Local Similarity 93.3%; Pred. No. 8.6e+03;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTAC 15  
|||||  
Db 103 GCATGCATGCATTAC 89

## RESULT 32

US-10-424-599-129131/c  
; Sequence 129131, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 129131  
; LENGTH: 188  
; TYPE: DNA  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_87610C.1  
US-10-424-599-129131

Query Match 67.0%; Score 13.4; DB 18; Length 188;  
Best Local Similarity 93.3%; Pred. No. 8.6e+03;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTAC 15  
|||||  
Db 141 GCATGCATGCATGAC 127

## RESULT 33

US-10-719-900-632764  
; Sequence 632764, Application US/10719900  
; Publication No. US20050026164A1  
; GENERAL INFORMATION:  
; APPLICANT: Xue Mei Zhou  
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse  
; FILE REFERENCE: 3528.1  
; CURRENT APPLICATION NUMBER: US/10/719,900  
; CURRENT FILING DATE: 2003-11-20  
; PRIOR APPLICATION NUMBER: 60/427,808  
; PRIOR FILING DATE: 2002 11 20  
; NUMBER OF SEQ ID NOS: 982914  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 632764  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-10-719-900-632764

Query Match 66.0%; Score 13.2; DB 21; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1e+04;  
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTA 18  
||| |||| |||| ||||  
Db 3 GCAAGCATCCATTACTTA 20

## RESULT 34

US-10-719-900-703238  
; Sequence 703238, Application US/10719900  
; Publication No. US20050026164A1  
; GENERAL INFORMATION:  
; APPLICANT: Xue Mei Zhou  
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse  
; FILE REFERENCE: 3528.1  
; CURRENT APPLICATION NUMBER: US/10/719,900  
; CURRENT FILING DATE: 2003-11-20  
; PRIOR APPLICATION NUMBER: 60/427,808  
; PRIOR FILING DATE: 2002-11-20  
; NUMBER OF SEQ ID NOS: 982914  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 703238  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-10-719-900-703238

Query Match 66.0%; Score 13.2; DB 21; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1e+04; Mismatches 0; Gaps 0;  
Matches 15; Conservative 0; Indels 3; Indels 0;

Qy 1 GCATGCATGCATTACGTA 18  
||| |||| |||| ||||  
Db 3 GCATGTATGCATCTATGTA 20

## RESULT 35

US-10-843-527-1378/c  
; Sequence 1378, Application US/10843527  
; Publication No. US20050136395A1  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; TITLE OF INVENTION: Methods of Genetic Analysis of SARS Virus  
; FILE REFERENCE: 3602.1  
; CURRENT APPLICATION NUMBER: US/10/843,527  
; CURRENT FILING DATE: 2004-05-10  
; PRIOR APPLICATION NUMBER: 60/469,545  
; PRIOR FILING DATE: 2003-05-08  
; NUMBER OF SEQ ID NOS: 238196  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 1378  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: SARS Virus  
US-10-843-527-1378

Query Match 66.0%; Score 13.2; DB 22; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1e+04; Mismatches 0; Gaps 0;  
Matches 15; Conservative 0; Indels 3; Indels 0;

Qy 3 ATGCATGCATTACGTACG 20  
||| |||| |||| ||||  
Db 23 ATGCTGCGCATCTACTTACG 6

## RESULT 36

US-10-843-527-1383/c  
; Sequence 1383, Application US/10843527  
; Publication No. US20050136395A1  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; TITLE OF INVENTION: Methods of Genetic Analysis of SARS Virus  
; FILE REFERENCE: 3602.1

; CURRENT APPLICATION NUMBER: US/10/843,527  
; CURRENT FILING DATE: 2004-05-10  
; PRIOR APPLICATION NUMBER: 60/469,545  
; PRIOR FILING DATE: 2003-05-08  
; NUMBER OF SEQ ID NOS: 238196  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 1383  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: SARS Virus  
US-10-843-527-1383

Query Match 66.0%; Score 13.2; DB 22; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1e+04; Mismatches 0; Gaps 0;  
Matches 15; Conservative 0; Indels 3; Indels 0;

Qy 3 ATGCATGCATTACGTACG 20  
||| |||| |||| ||||  
Db 18 ATGCTTGCATGACTTACG 1

## RESULT 37

US-10-843-527-236794  
; Sequence 236794, Application US/10843527  
; Publication No. US20050136395A1  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: Eric Schell  
; TITLE OF INVENTION: Methods of Genetic Analysis of SARS Virus  
; FILE REFERENCE: 3602.1  
; CURRENT APPLICATION NUMBER: US/10/843,527  
; CURRENT FILING DATE: 2004-05-10  
; PRIOR APPLICATION NUMBER: 60/469,545  
; PRIOR FILING DATE: 2003-05-08  
; NUMBER OF SEQ ID NOS: 238196  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 236794  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: SARS Virus  
US-10-843-527-236794

Query Match 66.0%; Score 13.2; DB 22; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1e+04; Mismatches 0; Gaps 0;  
Matches 15; Conservative 0; Indels 3; Indels 0;

Qy 3 ATGCATGCATTACGTACG 20  
||| |||| |||| ||||  
Db 8 ATGCTTGCATGACTTACG 25

## RESULT 38

US-10-843-527-236799  
; Sequence 236799, Application US/10843527  
; Publication No. US20050136395A1  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: Eric Schell  
; TITLE OF INVENTION: Methods of Genetic Analysis of SARS Virus  
; FILE REFERENCE: 3602.1  
; CURRENT APPLICATION NUMBER: US/10/843,527  
; CURRENT FILING DATE: 2004-05-10  
; PRIOR APPLICATION NUMBER: 60/469,545  
; PRIOR FILING DATE: 2003-05-08  
; NUMBER OF SEQ ID NOS: 238196  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 236799  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: SARS Virus  
US-10-843-527-236799

Query Match 66.0%; Score 13.2; DB 22; Length 25;

Best Local Similarity 83.3%; Pred. No. 1e+04;  
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Search completed: July 13, 2005, 04:11:25  
Job time : 569.316 secs

Qy 3 ATGCATGCATTACGTACG 20  
Db 3 ATGCTGGCATTACTTACG 20

RESULT 39  
US-09-969-373-431/c  
; Sequence 431, Application US/09969373  
; Patent No. US20020133852A1  
; GENERAL INFORMATION:  
; APPLICANT: Effertz, Roger J.  
; APPLICANT: Hauge, Brian M.  
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping  
; FILE REFERENCE: 38-10(52679)A  
; CURRENT APPLICATION NUMBER: US/09/969,373  
; CURRENT FILING DATE: 2001-10-02  
; PRIOR APPLICATION NUMBER: US 09/754,853  
; PRIOR FILING DATE: 2001-01-05  
; PRIOR APPLICATION NUMBER: US 09/760,427  
; PRIOR FILING DATE: 2001-01-13  
; PRIOR APPLICATION NUMBER: US 09/855,768  
; PRIOR FILING DATE: 2001-05-15  
; NUMBER OF SEQ ID NOS: 4593  
; SEQ ID NO 431  
; LENGTH: 99  
; TYPE: DNA  
; ORGANISM: Glycine max  
US-09-969-373-431

Query Match 66.0%; Score 13.2; DB 9; Length 99;  
Best Local Similarity 83.3%; Pred. No. 1.1e+04;  
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTA 18  
Db 45 GCATGCATGCATCAATTA 28

RESULT 40  
US-09-969-373-516/c  
; Sequence 516, Application US/09969373  
; Patent No. US20020133852A1  
; GENERAL INFORMATION:  
; APPLICANT: Effertz, Roger J.  
; APPLICANT: Hauge, Brian M.  
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping  
; FILE REFERENCE: 38-10(52679)A  
; CURRENT APPLICATION NUMBER: US/09/969,373  
; CURRENT FILING DATE: 2001-10-02  
; PRIOR APPLICATION NUMBER: US 09/754,853  
; PRIOR FILING DATE: 2001-01-05  
; PRIOR APPLICATION NUMBER: US 09/760,427  
; PRIOR FILING DATE: 2001-01-13  
; PRIOR APPLICATION NUMBER: US 09/855,768  
; PRIOR FILING DATE: 2001-05-15  
; NUMBER OF SEQ ID NOS: 4593  
; SEQ ID NO 516  
; LENGTH: 99  
; TYPE: DNA  
; ORGANISM: Glycine max  
US-09-969-373-516

Query Match 66.0%; Score 13.2; DB 9; Length 99;  
Best Local Similarity 83.3%; Pred. No. 1.1e+04;  
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTA 18  
Db 45 GCATGCATGCATCAATTA 28

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 15:44:02 ; Search time 117.975 Seconds  
(without alignments)  
277.395 Million cell updates/sec

Title: US-09-540-843-8

Perfect score: 20

Sequence: 1 gcatgcattcattcattcagc 20

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1407054

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Issued Patents NA:\*

1: /cgn2\_6/ptodata/1/ina/5A COMB.seq:\*

2: /cgn2\_6/ptodata/1/ina/5B COMB.seq:\*

3: /cgn2\_6/ptodata/1/ina/6A COMB.seq:\*

4: /cgn2\_6/ptodata/1/ina/6B COMB.seq:\*

5: /cgn2\_6/ptodata/1/ina/PCTUS COMB.seq:\*

6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	13.8	69.0	162	4	US-08-956-171E-1694
2	13.8	69.0	162	4	US-08-781-986A-1694
3	13.8	69.0	196	4	US-09-513-999C-25349
4	13.6	68.0	58	1	US-07-982-712-34
5	13.6	68.0	58	1	US-07-982-712-35
6	13.4	67.0	28	1	US-08-053-564-10
7	13.4	67.0	42	1	US-08-301-872A-6
8	13.4	67.0	42	2	US-08-443-372A-6
9	13.4	67.0	70	1	US-08-301-872A-7
10	13.4	67.0	70	1	US-08-301-872A-8
11	13.4	67.0	70	2	US-08-443-372A-7
12	13.4	67.0	70	2	US-08-443-372A-8
13	13.2	66.0	33	4	US-09-513-999C-27989
14	13.2	66.0	152	4	US-09-513-999C-27989
15	13.2	66.0	177	4	US-09-313-294A-292
16	12.8	64.0	25	4	US-09-396-196G-4286
17	12.8	64.0	25	4	US-09-396-196G-4287
18	12.8	64.0	182	4	US-09-513-999C-12286
19	12.6	63.0	26	1	US-07-720-586-7
20	12.6	63.0	65	3	US-09-415-522-24
21	12.6	63.0	77	4	US-09-001-039B-7
22	12.6	63.0	108	4	US-08-956-171E-4834
23	12.6	63.0	108	4	US-08-781-986A-4834
24	12.6	63.0	129	4	US-08-956-171E-4790
25	12.6	63.0	129	4	US-08-781-986A-4790
26	12.6	63.0	144	4	US-09-270-767-27187
27	12.6	63.0	145	4	US-09-513-999C-34984

28	12.6	63.0	178	4	US-09-313-294A-26	Sequence 26, Appl
29	12.6	63.0	178	4	US-09-270-767-26372	Sequence 26372, A
30	12.4	62.0	25	4	US-09-396-196G-4285	Sequence 4285, Ap
31	12.4	62.0	38	2	US-09-097-759-6	Sequence 6, Appl
32	12.4	62.0	38	3	US-09-065-104-24	Sequence 24, Appl
33	12.4	62.0	59	2	US-08-816-155B-23	Sequence 23, Appl
34	12.4	62.0	59	3	US-08-815-809-8	Sequence 8, Appl
35	12.4	62.0	59	3	US-09-079-587-23	Sequence 23, Appl
36	12.4	62.0	138	1	US-08-600-234-5	Sequence 5, Appl
37	12.4	62.0	138	1	US-08-386-921-5	Sequence 5, Appl
38	12.4	62.0	141	1	US-08-386-921-13	Sequence 13, Appl
39	12.4	62.0	144	1	US-08-386-921-11	Sequence 11, Appl
40	12.4	62.0	147	1	US-08-386-921-9	Sequence 9, Appl
41	12.4	62.0	159	4	US-09-513-999C-24987	Sequence 24987, A
42	12.4	62.0	161	1	US-08-600-234-2	Sequence 2, Appl
43	12.4	62.0	161	1	US-08-386-921-2	Sequence 2, Appl
44	12.4	62.0	161	1	US-08-386-921-10	Sequence 10, Appl
45	12.4	62.0	162	4	US-09-471-276-315	Sequence 315, App
46	12.4	62.0	197	1	US-08-386-921-4	Sequence 4, Appl
47	12.4	62.0	198	4	US-09-513-999C-13929	Sequence 13929, A
48	12.2	61.0	20	3	US-08-254-312B-21	Sequence 21, Appl
49	12.2	61.0	20	3	US-08-468-024B-21	Sequence 21, Appl
50	12.2	61.0	20	4	US-08-465-679-21	Sequence 21, Appl
51	12.2	61.0	20	4	US-09-232-785-139	Sequence 139, App
52	12.2	61.0	21	4	US-08-187-757D-19	Sequence 19, Appl
53	12.2	61.0	21	4	US-08-210-143C-19	Sequence 19, Appl
54	12.2	61.0	25	4	US-09-396-196G-51194	Sequence 51194, A
55	12.2	61.0	25	4	US-09-396-196G-59394	Sequence 59394, A
56	12.2	61.0	30	3	US-09-504-358-43	Sequence 87238, A
57	12.2	61.0	30	3	US-09-954-314-43	Sequence 43, Appl
58	12.2	61.0	30	4	US-10-230-562-43	Sequence 43, Appl
59	12.2	61.0	35	4	US-09-122-315C-15	Sequence 15, Appl
60	12.2	61.0	35	4	US-09-360-376-4	Sequence 4, Appl
61	12.2	61.0	39	2	US-08-452-724A-18	Sequence 18, Appl
62	12.2	61.0	39	4	US-08-453-623-18	Sequence 18, Appl
63	12.2	61.0	43	3	US-08-961-810-31	Sequence 31, Appl
64	12.2	61.0	43	3	US-08-352-902D-31	Sequence 31, Appl
65	12.2	61.0	43	4	US-09-285-503B-31	Sequence 31, Appl
66	12.2	61.0	90	3	US-08-974-549A-693	Sequence 693, App
67	12.2	61.0	90	3	US-08-974-549A-694	Sequence 694, App
68	12.2	61.0	90	4	US-09-721-456-693	Sequence 693, App
69	12.2	61.0	90	4	US-09-721-456-694	Sequence 694, App
70	12.2	61.0	120	4	US-09-270-767-216	Sequence 216, App
71	12.2	61.0	120	4	US-09-270-767-15498	Sequence 15498, A
72	12.2	61.0	138	4	US-09-513-999C-14190	Sequence 14190, A
73	12.2	61.0	140	4	US-09-513-999C-29733	Sequence 29733, A
74	12.2	61.0	183	4	US-09-248-796A-12568	Sequence 12568, A
75	12.2	61.0	183	4	US-09-513-999C-23870	Sequence 23870, A
76	12.2	61.0	15	3	US-09-134-855-1	Sequence 1, Appl
77	12.2	61.0	15	3	US-09-134-855-1	Sequence 1, Appl
78	12.2	61.0	15	3	US-09-134-855-1	Sequence 1, Appl
79	12.2	61.0	15	4	US-09-686-597-2	Sequence 2, Appl
80	12.2	61.0	15	4	US-09-686-597-2	Sequence 2, Appl
81	12.2	61.0	25	4	US-09-396-196G-11878	Sequence 11878, A
82	12.2	61.0	25	4	US-09-396-196G-49274	Sequence 49274, A
83	12.2	61.0	25	4	US-09-396-196G-49275	Sequence 49275, A
84	12.2	61.0	32	2	US-08-305-764C-37	Sequence 37, Appl
85	12.2	61.0	46	3	US-09-065-104-10	Sequence 10, Appl
86	12.2	61.0	46	3	US-09-065-104-11	Sequence 11, Appl
87	12.2	61.0	46	3	US-09-065-104-12	Sequence 12, Appl
88	12.2	61.0	46	3	US-09-065-104-13	Sequence 13, Appl
89	12.2	61.0	46	3	US-09-065-104-14	Sequence 14, Appl
90	12.2	61.0	46	3	US-09-065-104-16	Sequence 16, Appl
91	12.2	61.0	46	3	US-09-065-104-17	Sequence 17, Appl
92	12.2	61.0	46	3	US-09-065-104-18	Sequence 18, Appl
93	12.2	61.0	46	3	US-09-065-104-19	Sequence 19, Appl
94	12.2	61.0	46	3	US-09-065-104-20	Sequence 20, Appl
95	12.2	61.0	46	3	US-09-065-104-21	Sequence 21, Appl
96	12.2	61.0	46	3	US-09-065-104-22	Sequence 22, Appl
97	12.2	61.0	46	3	US-09-065-104-23	Sequence 23, Appl
98	12.2	61.0	47	3	US-09-065-104-15	Sequence 15, Appl
99	12.2	61.0	61	4	US-09-513-999C-21606	Sequence 21606, A
100	12.2	61.0	76	1	US-08-505-691-3	Sequence 3, Appl

## ALIGNMENTS

## RESULT 1

US-08-956-171E-1694  
; Sequence 1694, Application US/08956171E  
; Patent No. 6593114  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; Gil H. Choi  
; Patrick S. Dillon  
; Craig A. Rosen  
; Steven C. Barash  
; Michael R. Fannon  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5256  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; FILING DATE: 20-Oct-1997  
; CLASSIFICATION: <unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/009,861  
; FILING DATE: January 5, 1996  
; APPLICATION NUMBER: 08/781,986  
; FILING DATE: January 3, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mark J. Hyman  
; REGISTRATION NUMBER: 46,789  
; REFERENCE/DOCKET NUMBER: PB248P1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (240) 314-1224  
; TELEFAX: (301) 309-8439  
; INFORMATION FOR SEQ ID NO: 1694:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 162 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 1694:

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997

CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 1694:

SEQUENCE CHARACTERISTICS:

LENGTH: 162 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 1694:

US-08-956-171E-1694

Query Match 69.0%; Score 13.8; DB 4; Length 162;

Best Local Similarity 88.2%; Pred. No. 8.5e+02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 4 TGCATGCATTACGTACG 20

| | | | | | | | | | | | | | | | | |

Db 50 TACATGCAATACGTACG 66

## RESULT 2

US-08-781-986A-1694  
; Sequence 1694, Application US/08781986A  
; Patent No. 6737248  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Benson, Bob  
; REGISTRATION NUMBER: 30,446  
; REFERENCE/DOCKET NUMBER: PB248PP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 1694:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 162 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; US-08-781-986A-1694

Query Match 69.0%; Score 13.8; DB 4; Length 162;

Best Local Similarity 88.2%; Pred. No. 8.5e+02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 4 TGCATGCATTACGTACG 20

| | | | | | | | | | | | | | | | | |

Db 50 TACATGCAATACGTACG 66

RESULT 3

US-09-513-999C-25349/c

; Sequence 25349, Application US/09513999C

; Patent No. 6783961

; GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, J.B.

; APPLICANT: Duclert, A.

; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

; Patent No. 6783961

; FILE REFERENCE: 59.US2.REG

; CURRENT APPLICATION NUMBER: US/09/513,999C

; CURRENT FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/122,487

; PRIOR FILING DATE: 1999-02-26

; NUMBER OF SEQ ID NOS: 36681

; SOFTWARE: Patent.pm

; SEQ ID NO 25349

; LENGTH: 196

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: 12

; OTHER INFORMATION: m=a or c

; US-09-513-999C-25349

Query Match 69.0%; Score 13.8; DB 4; Length 196;

Best Local Similarity 88.2%; Pred. No. 8.6e+02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 ATGCGATGCTTATGCTAC 19  
|||||  
Db 31 ATGCGATGCTTATGCTAC 15

RESULT 4  
US-07-982-712-34  
; Sequence 34, Application US/07982712  
; Patent No. 5436391  
; GENERAL INFORMATION:  
; APPLICANT: Hideya FUJIMOTO, Kimiko ITOH  
; APPLICANT: Mikihiro YAMAMOTO, and KO SHIMAMOTO  
; TITLE OF INVENTION: Insecticidal Protein-encoding Gene, Gramineous  
; TITLE OF INVENTION: Plants Transformed with the Gene, and Production Thereof  
; NUMBER OF SEQUENCES: 35  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wenderoth, Lind & Ponack  
; STREET: 805 Fifteenth Street, N.W., #700  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: U.S.A.  
; ZIP: 20005

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 144 mb  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/982,712  
; FILING DATE: 19921127  
; CLASSIFICATION: 800  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:

; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warren M. Cheek, Jr.  
; REGISTRATION NUMBER: 33,367  
; REFERENCE/DOCKET NUMBER:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-8850  
; TELEFAX:  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 34:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 58 bases  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
US-07-982-712-34

Query Match 68.0%; Score 13.6; DB 1; Length 58;  
Best Local Similarity 80.0%; Pred. No. 9.7e+02;  
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCATGCGATGCTTATGCTAGG 20  
|||||  
Db 9 GCATGCGATGCTTATGCTAGG 28

RESULT 5  
US-07-982-712-35/c  
; Sequence 35, Application US/07982712  
; Patent No. 5436391  
; GENERAL INFORMATION:  
; APPLICANT: Hideya FUJIMOTO, Kimiko ITOH  
; APPLICANT: Mikihiro YAMAMOTO, and KO SHIMAMOTO  
; TITLE OF INVENTION: Insecticidal Protein-encoding Gene, Gramineous  
; TITLE OF INVENTION: Plants Transformed with the Gene, and Production Thereof  
; NUMBER OF SEQUENCES: 35  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wenderoth, Lind & Ponack  
; STREET: 805 Fifteenth Street, N.W., #700

; CITY: Washington  
; STATE: D.C.  
; COUNTRY: U.S.A.  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 144 mb  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/982,712  
; FILING DATE: 19921127  
; CLASSIFICATION: 800  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warren M. Cheek, Jr.  
; REGISTRATION NUMBER: 33,367  
; REFERENCE/DOCKET NUMBER:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-8850  
; TELEFAX:  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 35:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 58 bases  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
US-07-982-712-35

Query Match 68.0%; Score 13.6; DB 1; Length 58;  
Best Local Similarity 80.0%; Pred. No. 9.7e+02;  
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCATGCGATGCTTATGCTAGG 20  
|||||  
Db 54 GCATGCGATGCTTATGCTAGG 35

RESULT 6  
US-08-053-564-10/c  
; Sequence 10, Application US/08053564  
; Patent No. 5418153  
; GENERAL INFORMATION:  
; APPLICANT: MORI, MASASHI  
; APPLICANT: OKUNO, TETSURO  
; APPLICANT: FURUSAWA, IWAO  
; TITLE OF INVENTION: PROCESS FOR PRODUCTION OF  
; TITLE OF INVENTION: EXOGENOUS GENE OR ITS PRODUCT  
; TITLE OF INVENTION: IN PLANT CELLS NO.2  
; NUMBER OF SEQUENCES: 15  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sughruue, Mion, Zinn, Macpeak &  
; ADDRESSEE: Seas  
; STREET: 2100 Pennsylvania Avenue, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: U.S.A.  
; ZIP: 20037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version  
; SOFTWARE: #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/053,564  
; FILING DATE: 28-APR-1993  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:

```
; APPLICATION NUMBER: JP HEI-4-152593
; FILING DATE: 28-APR-1992
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-7860
; TELEX: 649113
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; DESCRIPTION: synthesized oligonucleotide
US-08-053-564-10

Query Match      67.0%; Score 13.4; DB 1; Length 28;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      2 CATGCATCATTACG 16
Db      20 CATGCATCATTCCG 6

RESULT 7
US-08-301-872A-6
; Sequence 6, Application US/08301872A
; Patent No. 5580734
; GENERAL INFORMATION:
; APPLICANT: Treco, Douglas A.
; APPLICANT: Miller, Allan M.
; TITLE OF INVENTION: Library Screening Method
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/301,872A
; FILING DATE: 06-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/739,861
; FILING DATE: 02-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/552,183
; FILING DATE: 13-JUL-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: TKT90-01A2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-443-372A-6

Query Match      67.0%; Score 13.4; DB 2; Length 42;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      5 GCATGCATTACGTAC 19
Db      12 GGATGCATTACGTAC 26

RESULT 8
US-08-443-372A-6
; Sequence 6, Application US/08443372A
; Patent No. 5869239
; GENERAL INFORMATION:
; APPLICANT: Treco, Douglas A.
; APPLICANT: Miller, Allan M.
; TITLE OF INVENTION: Library Screening Method
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/443,372A
; FILING DATE: 17-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/301,872
; FILING DATE: 06-SEP-1994
; APPLICATION NUMBER: US 07/739,861
; FILING DATE: 02-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/552,183
; FILING DATE: 13-JUL-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: TKT90-01A2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-443-372A-6

Query Match      67.0%; Score 13.4; DB 2; Length 42;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      5 GCATGCATTACGTAC 19
Db      12 GGATGCATTACGTAC 26

RESULT 9
US-08-301-872A-7/c
; Sequence 7, Application US/08301872A
; Patent No. 5580734
; GENERAL INFORMATION:
; APPLICANT: Treco, Douglas A.
; APPLICANT: Miller, Allan M.
```



```
;
; TITLE OF INVENTION: Library Screening Method
;
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/301,872A
; FILING DATE: 06-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/739,861
; FILING DATE: 02-AUG-1991
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/552,183
; FILING DATE: 13-JUL-1990
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: TKT90-01A2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
;
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 70 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
;
; US-08-301-872A-7
;
; Query Match 67.0%; Score 13.4; DB 1; Length 70;
; Best Local Similarity 93.3%; Pred. No. 1.3e+03;
; Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
; Qy 6 CATGCATTACGTACG 20
; Db 54 CATGCATTACGTAGG 40
;
; RESULT 10
; US-08-301-872A-8
; Sequence 8, Application US/08301872A
; Patent No. 5580734
; GENERAL INFORMATION:
; APPLICANT: Treco, Douglas A.
; APPLICANT: Miller, Allan M.
; TITLE OF INVENTION: Library Screening Method
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/301,872A
; FILING DATE: 06-SEP-1994
```

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;
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/739,861
; FILING DATE: 02-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/552,183
; FILING DATE: 13-JUL-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: TKT90-01A2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
;
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 70 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
;
; US-08-301-872A-8
;
; Query Match 67.0%; Score 13.4; DB 1; Length 70;
; Best Local Similarity 93.3%; Pred. No. 1.3e+03;
; Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
; Qy 6 CATGCATTACGTACG 20
; Db 17 CATGCATTACGTAGG 31
;
; RESULT 11
; US-08-443-372A-7/c
; Sequence 7, Application US/08443372A
; Patent No. 5869239
; GENERAL INFORMATION:
; APPLICANT: Treco, Douglas A.
; APPLICANT: Miller, Allan M.
; TITLE OF INVENTION: Library Screening Method
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/443,372A
; FILING DATE: 17-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/301,872
; FILING DATE: 06-SEP-1994
; APPLICATION NUMBER: US 07/739,861
; FILING DATE: 02-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/552,183
; FILING DATE: 13-JUL-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: TKT90-01A2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
;
; INFORMATION FOR SEQ ID NO: 7:
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; SEQUENCE CHARACTERISTICS:  
; LENGTH: 70 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-443-372A-7

Query Match 67.0%; Score 13.4; DB 2; Length 70;  
Best Local Similarity 93.3%; Pred. No. 1.3e+03;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 CATGCATTACGTACG 20  
DB 54 CATGCATTACGTAGG 40  
|||||

## RESULT 12

US-08-443-372A-8  
; Sequence 8, Application US/08443372A  
; Patent No. 5869239

## GENERAL INFORMATION:

; APPLICANT: Treco, Douglas A.  
; APPLICANT: Miller, Allan M.  
; TITLE OF INVENTION: Library Screening Method  
; NUMBER OF SEQUENCES: 30  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02173

## COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/443,372A  
; FILING DATE: 17-MAY-1995

## CLASSIFICATION: 435

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/301,872  
; FILING DATE: 06-SEP-1994  
; APPLICATION NUMBER: US 07/739,861  
; FILING DATE: 02-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/552,183  
; FILING DATE: 13-JUL-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Granahan, Patricia  
; REGISTRATION NUMBER: 32,227  
; REFERENCE/DOCKET NUMBER: TKT90-01A2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-861-6240  
; TELEFAX: 617-861-9540  
; INFORMATION FOR SEQ ID NO: 8:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 70 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-443-372A-8

Query Match 67.0%; Score 13.4; DB 2; Length 70;  
Best Local Similarity 93.3%; Pred. No. 1.3e+03;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 CATGCATTACGTACG 20  
DB 17 CATGCATTACGTAGG 31  
|||||

## RESULT 13

US-09-535-851A-6  
; Sequence 6, Application US/09535851A  
; Patent No. 6528636

## GENERAL INFORMATION:

; APPLICANT: Battelle Memorial Institute  
; TITLE OF INVENTION: A Promoter Sequence of 3-Phosphoglycerate Kinase Gene 2 of Lactic  
; Patent No. 6528636  
; TITLE OF INVENTION: Producing Fungus Rhizopus Oryzae and a Method of Expressing a Ger  
; TITLE OF INVENTION: in Fungal Species  
; FILE REFERENCE: E-1891B  
; CURRENT APPLICATION NUMBER: US/09/535,851A  
; CURRENT FILING DATE: 2000-03-27  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 6

; LENGTH: 33  
; TYPE: DNA

; ORGANISM: Artificial Sequence

## FEATURE:

; OTHER INFORMATION: oligonucleotide primer

US-09-535-851A-6

Query Match 66.0%; Score 13.2; DB 4; Length 33;  
Best Local Similarity 83.3%; Pred. No. 1.5e+03;  
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCATGCATGCATTACGTA 18  
DB 4 GCATGCATGTATTTCATA 21  
|||||

## RESULT 14

US-09-513-999C-27989  
; Sequence 27989, Application US/09513999C  
; Patent No. 6783961

## GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Duclert, A.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
; Patent No. 6783961  
; FILE REFERENCE: 59.US2.REG  
; CURRENT APPLICATION NUMBER: US/09/513,999C  
; CURRENT FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/122,487  
; PRIOR FILING DATE: 1999-02-26  
; NUMBER OF SEQ ID NOS: 36681  
; SOFTWARE: Patent.pm  
; SEQ ID NO 27989

; LENGTH: 152

; TYPE: DNA

; ORGANISM: Homo sapiens

## FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: 13

; OTHER INFORMATION: w=a or t

US-09-513-999C-27989

Query Match 66.0%; Score 13.2; DB 4; Length 152;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCATGCATGCATTACGTA 18  
DB 108 GAATGCATGCATTAGAA 125  
|||||

## RESULT 15

US-09-313-294A-292/c  
; Sequence 292, Application US/09313294A

Patent No. 6476212  
 GENERAL INFORMATION:  
 APPLICANT: Lalugudi, Raghunath V.  
 APPLICANT: Ito, Laura Y.  
 APPLICANT: Sherman, Bradley K.  
 TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR  
 FILE REFERENCE: PL-0017 US  
 CURRENT APPLICATION NUMBER: US/09/313,294A  
 CURRENT FILING DATE: 1999-05-14  
 NUMBER OF SEQ ID NOS: 7600  
 SOFTWARE: PERL Program  
 SEQ ID NO 292  
 LENGTH: 177  
 TYPE: DNA  
 ORGANISM: Zea mays  
 FEATURE:  
 NAME/KEY: misc\_feature  
 OTHER INFORMATION: Incyte ID No. 6476212 700548929H1  
 NAME/KEY: unsure  
 LOCATION: 2, 6, 75-93  
 OTHER INFORMATION: a, t, c, g, or other  
 US-09-313-294A-292

Query Match 66.0%; Score 13.2; DB 4; Length 177;  
 Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCATCGATCGATTACGTA 18  
 |||||  
 DB 52 GCATCGATCGATGCCATA 35

## RESULT 16

US-09-396-196G-4286  
 Sequence 4286, Application US/09396196G  
 Patent No. 6821724  
 GENERAL INFORMATION:  
 APPLICANT: Michael Mittmann  
 APPLICANT: David Mack  
 APPLICANT: David Lockhart  
 APPLICANT: Affymetrix, Inc.  
 TITLE OF INVENTION: Methods of Genetic Analysis  
 FILE REFERENCE: 3101.1  
 CURRENT APPLICATION NUMBER: US/09/396,196G  
 CURRENT FILING DATE: 1999-09-15  
 PRIOR APPLICATION NUMBER: 60/100,678  
 PRIOR FILING DATE: 1998-09-17  
 NUMBER OF SEQ ID NOS: 127806  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 4286  
 LENGTH: 25  
 TYPE: DNA  
 ORGANISM: Mus musculus  
 US-09-396-196G-4286

Query Match 64.0%; Score 12.8; DB 4; Length 25;  
 Best Local Similarity 87.5%; Pred. No. 2.3e+03;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CATGATCGATTACGT 17  
 |||||  
 DB 8 CATGATCGATGACTT 23

## RESULT 17

US-09-396-196G-4287  
 Sequence 4287, Application US/09396196G  
 Patent No. 6821724  
 GENERAL INFORMATION:  
 APPLICANT: Michael Mittmann  
 APPLICANT: David Mack  
 APPLICANT: David Lockhart  
 APPLICANT: Affymetrix, Inc.

TITLE OF INVENTION: Methods of Genetic Analysis  
 FILE REFERENCE: 3101.1  
 CURRENT APPLICATION NUMBER: US/09/396,196G  
 CURRENT FILING DATE: 1999-09-15  
 PRIOR APPLICATION NUMBER: 60/100,678  
 PRIOR FILING DATE: 1998-09-17  
 NUMBER OF SEQ ID NOS: 127806  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 4287  
 LENGTH: 25  
 TYPE: DNA  
 ORGANISM: Mus musculus  
 US-09-396-196G-4287

Query Match 64.0%; Score 12.8; DB 4; Length 25;  
 Best Local Similarity 87.5%; Pred. No. 2.3e+03;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CATGATCGATTACGT 17  
 |||||  
 DB 5 CATGATCGATGACTT 20

## RESULT 18

US-09-513-999C-12286/c  
 Sequence 12286, Application US/09513999C  
 Patent No. 6783961  
 GENERAL INFORMATION:  
 APPLICANT: Dumas Milne Edwards, J.B.  
 APPLICANT: Duclert, A.  
 APPLICANT: Giordano, J.Y.  
 TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
 Patent No. 6783961  
 FILE REFERENCE: 59.US2.REG  
 CURRENT APPLICATION NUMBER: US/09/513,999C  
 CURRENT FILING DATE: 2000-02-24  
 PRIOR APPLICATION NUMBER: US 60/122,487  
 PRIOR FILING DATE: 1999-02-26  
 NUMBER OF SEQ ID NOS: 36681  
 SOFTWARE: Patent.pm  
 SEQ ID NO 12286  
 LENGTH: 182  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-513-999C-12286

Query Match 64.0%; Score 12.8; DB 4; Length 182;  
 Best Local Similarity 87.5%; Pred. No. 2.8e+03;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 TGCATGATCGTAC 19  
 |||||  
 DB 88 TTGATGATCGTAC 73

## RESULT 19

US-07-720-586-7  
 Sequence 7, Application US/07720586  
 Patent No. 5232831  
 GENERAL INFORMATION:  
 APPLICANT: Curt Millman  
 APPLICANT: Philip W. Hammond  
 TITLE OF INVENTION: NUCLEIC ACIDS PROBES  
 TITLE OF INVENTION: TO STREPTOCOCCUS PYOGENES  
 NUMBER OF SEQUENCES: 9  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Lyon & Lyon  
 STREET: 611 West Sixth Street  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: USA  
 ZIP: 90017  
 COMPUTER READABLE FORM:

```
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
; SOFTWARE: WordPerfect (Version 5.0)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/720,586
; FILING DATE: 19910628
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 193/121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-07-720-586-7

Query Match 63.0%; Score 12.6; DB 1; Length 26;
Best Local Similarity 78.9%; Pred. No. 2.9e+03;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 CATGCATGCATTAGTCAG 20
Db 3 CTTGCATGTATTAGCAG 21

RESULT 20
US-09-415-522-24/c
; Sequence 24, Application US/09415522A
; Patent No. 6291860
; GENERAL INFORMATION:
; APPLICANT: Gaffney, Thomas
; APPLICANT: Wendland, Juergen
; APPLICANT: Philippsen, Peter
; TITLE OF INVENTION: No. 6291660el Fungal Genes Required For No. 6291660mal Growth And
; FILE OF INVENTION: Development
; FILE REFERENCE: CGC2046
; CURRENT APPLICATION NUMBER: US/09/415,522A
; CURRENT FILING DATE: 1999-10-08
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 65
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Primer
; US-09-415-522-24

Query Match 63.0%; Score 12.6; DB 3; Length 65;
Best Local Similarity 78.9%; Pred. No. 3.2e+03;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTAC 19
Db 57 GCTTGCATGCCTTTCATAC 39

RESULT 21
US-09-001-039B-7
; Sequence 7, Application US/09001039B
```

```
; Patent No. 6818439
; GENERAL INFORMATION:
; APPLICANT: Jolly, Douglas J.
; APPLICANT: Chang, Stephen M.W.
; APPLICANT: Respess, James G.
; APPLICANT: Depolo, Nicholas J.
; APPLICANT: Hsu, David Chi-Tang
; APPLICANT: Ibanez, Carlos E.
; APPLICANT: Greengard, Judith
; APPLICANT: Lee, Will
; TITLE OF INVENTION: METHODS FOR ADMINISTRATION OF
; TITLE OF INVENTION: RECOMBINANTGENE DELIVERY VEHICLES FOR TREATMENT
; NUMBER OF SEQUENCES: 84
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/001,039B
; FILING DATE: 13-JAN-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 1155.005 / 930049.441C4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 77 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-001-039B-7

Query Match 63.0%; Score 12.6; DB 4; Length 77;
Best Local Similarity 78.9%; Pred. No. 3.3e+03;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GCATGCATGCATTACGTAC 19
Db 49 GCATGCACAGCTTGCGGTAC 67

RESULT 22
US-08-956-171B-4834/c
; Sequence 4834, Application US/08956171B
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; APPLICANT: Gil H. Choi
; APPLICANT: Patrick S. Dillon
; APPLICANT: Craig A. Rosen
; APPLICANT: Steven C. Barash
; APPLICANT: Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
```

```

; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 4834:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 108 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-781-986A-4834

Query Match          63.0%; Score 12.6; DB 4; Length 108;
Best Local Similarity 78.9%; Pred. No. 3.4e+03;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      2 CATGCATGCATTACGTACG 20
      | | | | | | | | | | | |
DB      40 CTTGCATGTATTAGGCACG 22

RESULT 24
US-08-956-171E-4790/c
; Sequence 4790, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Rannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 4790:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 4790:
; US-08-956-171E-4790

Query Match          63.0%; Score 12.6; DB 4; Length 129;
Best Local Similarity 78.9%; Pred. No. 3.4e+03;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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[illegible]

```
Db      160 CATGCATGCTATACAGACG 178

RESULT 29
US-09-270-767-26372
; Sequence 26372, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26372
; LENGTH: 178
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-26372

Query Match      63.0%; Score 12.6; DB 4; Length 178;
Best Local Similarity 78.9%; Pred. No. 3.5e+03;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      1 GCATGCATGCATTACGTAC 19
        ||||| ||||| ||||| |||||
DB      24 GCATGAATGCATTATATGC 42

RESULT 30
US-09-396-196G-4285
; Sequence 4285, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4285
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-396-196G-4285

Query Match      62.0%; Score 12.4; DB 4; Length 25;
Best Local Similarity 92.9%; Pred. No. 3.7e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 CATGCATGCATTAC 15
        ||||| ||||| |||||
DB      11 CATGCATGCAGTAC 24

RESULT 31
US-09-097-759-6
; Sequence 6, Application US/09097759A
; Patent No. 5972663
; GENERAL INFORMATION:
; APPLICANT: Winterhalter Mr., Christopher
; APPLICANT: Leinfelder Mr., Walfred
; TITLE OF INVENTION: Microorganisms and Processes for the Fermentative
; TITLE OF INVENTION: Preparation of L-cysteine,
; TITLE OF INVENTION: L-cysteine, N-acetylserine or Thiazolidine Derivatives
; FILE REFERENCE: Winterhalter

; CURRENT APPLICATION NUMBER: US/09/097,759A
; CURRENT FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: DE 197 26 083
; EARLIER FILING DATE: 1997-06-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 38
; TYPE: DNA
; ORGANISM: Escherichia coli
US-09-097-759-6

Query Match      62.0%; Score 12.4; DB 2; Length 38;
Best Local Similarity 92.9%; Pred. No. 3.9e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      7 ATGCATTACGTACG 20
        ||||| ||||| |||||
DB      - 5 ATGCATTACGTAGG 18

RESULT 32
US-09-065-104-24
; Sequence 24, Application US/09065104
; Patent No. 6218168
; GENERAL INFORMATION:
; APPLICANT: LEINFELDER, Walfred,
; APPLICANT: HEINRICH, Peter
; TITLE OF INVENTION: Process for Preparing O-
; TITLE OF INVENTION: Acetylserine, L-Cysteine and L-Cysteine-Related
; TITLE OF INVENTION: Products
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Collard & Roe, P.C.
; STREET: 1077 No. 6218168thern Boulevard
; CITY: Roslyn
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 11576
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect Version 5.1 for DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/065,104
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 195 39 952
; FILING DATE: 26-OCT-1995
; APPLICATION NUMBER: WO 97/15673
; FILING DATE: 24-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Collard, Allison C.
; REGISTRATION NUMBER: 22,532
; REFERENCE/DOCKET NUMBER: LEINFELDER PCT
; ATTORNEY/AGENT INFORMATION:
; NAME: Freedman, Edward R.
; REGISTRATION NUMBER: 26,048
; REFERENCE/DOCKET NUMBER: LEINFELDER PCT
; ATTORNEY/AGENT INFORMATION:
; NAME: Richter, Elizabeth C.
; REGISTRATION NUMBER: 35,103
; REFERENCE/DOCKET NUMBER: LEINFELDER PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 365-9802
; TELEFAX: (516) 365-9805
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 base pairs
; TYPE: nucleotide
; STRANDEDNESS: single
```

```
; TOPOLOGY: linear
; MOLECULE TYPE: miscellaneous nucleic acid
; DESCRIPTION: /desc = "oligonucleotide"
; IMMEDIATE SOURCE:
; LIBRARY: synthetic
; CLONE: cyse-Lhrev1
US-09-065-104-24

Query Match      62.0%; Score 12.4; DB 3; Length 38;
Best Local Similarity 92.9%; Pred. No. 3.9e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 7 ATGCATTACGTAGC 20
Db 5 ATGCATTACGTAGG 18

RESULT 33
US-08-816-155B-23/c
; Sequence 23, Application US/08816155B
; Patent No. 5990091
; GENERAL INFORMATION:
; APPLICANT: TARTAGLIA, JAMES
; APPLICANT: COX, WILLIAM I.
; APPLICANT: GETTIG, RUSSELL R.
; APPLICANT: MARTINEZ, HECTOR
; APPLICANT: PAOLETTI, ENZO
; APPLICANT: PINCUS, STEVEN E.
; TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND
; TITLE OF INVENTION: METHODS OF MAKING AND USES THEREOF
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESS: FROMMER LAWRENCE & HAUG LLP
; STREET: 745 FIFTH AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10151
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/816.155B
; FILING DATE: 12-MAR-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: KOWALSKI, THOMAS J.
; REGISTRATION NUMBER: 32,147
; REFERENCE/DOCKET NUMBER: 454310-2990
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-588-0800
; TELEFAX: 212-588-0500
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 59 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-816-155B-23

Query Match      62.0%; Score 12.4; DB 2; Length 59;
Best Local Similarity 92.9%; Pred. No. 4e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 ATGCATGCATTACG 16
Db 47 ATGCATGCATTACG 34

RESULT 34
```

```
US-08-815-809-8/c
; Sequence 8, Application US/08815809
; Patent No. 6004777
; GENERAL INFORMATION:
; APPLICANT: TARTAGLIA, James
; APPLICANT: GOBBEL, Scott J.
; APPLICANT: COX, William I.
; APPLICANT: GETTIG, Russell R.
; APPLICANT: PINCUS, Steven E.
; APPLICANT: PAOLETTI, Enzo
; APPLICANT: JACOBS, Bertam L.
; TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND METHODS OF
; TITLE OF INVENTION: MAKING AND USES THEREOF
; FILE REFERENCE: 454310-3010
; CURRENT APPLICATION NUMBER: US/08/815.809
; CURRENT FILING DATE: 1997-03-12
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 8
; LENGTH: 59
; TYPE: DNA
; ORGANISM: Vaccinia virus
US-08-815-809-8

Query Match      62.0%; Score 12.4; DB 3; Length 59;
Best Local Similarity 92.9%; Pred. No. 4e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 ATGCATGCATTACG 16
Db 47 ATGCATGCATTACG 34

RESULT 35
US-09-079-587-23/c
; Sequence 23, Application US/09079587
; Patent No. 6130066
; GENERAL INFORMATION:
; APPLICANT: TARTAGLIA, JAMES
; APPLICANT: COX, WILLIAM I.
; APPLICANT: GETTIG, RUSSELL R.
; APPLICANT: MARTINEZ, HECTOR
; APPLICANT: PAOLETTI, ENZO
; APPLICANT: PINCUS, STEVEN E.
; TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND
; TITLE OF INVENTION: METHODS OF MAKING AND USES THEREOF
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FROMMER LAWRENCE & HAUG LLP
; STREET: 745 FIFTH AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10151
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079.587
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/816,155
; FILING DATE: 12-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: KOWALSKI, THOMAS J.
; REGISTRATION NUMBER: 32,147
; REFERENCE/DOCKET NUMBER: 454310-2990
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-588-0800
; TELEFAX: 212-588-0500
```



; INFORMATION FOR SEQ ID NO: 23:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 59 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-09-079-587-23

Query Match 62.0%; Score 12.4; DB 3; Length 59;  
Best Local Similarity 92.9%; Pred. No. 4e+03;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 ATGCATGCATTAC 16  
Db 47 ATGCAAGCATTAC 34

## RESULT 36

US-08-600-234-5/c  
; Sequence 5, Application US/08600234  
; Patent No. 5807707  
; GENERAL INFORMATION:  
; APPLICANT: ANDREWS, David W  
; APPLICANT: HUGHES, Martin JG  
; APPLICANT: VASSILAKOS, Akaterini  
; TITLE OF INVENTION: HIGH EFFICIENCY TRANSLATION OF mRNA  
; TITLE OF INVENTION: MOLECULES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sim & McBurney  
; STREET: Suite 701, 330 University Avenue  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5G 1R7  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/600,234  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/386,921  
; FILING DATE: 10-FEB-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Stewart, Michael I  
; REGISTRATION NUMBER: 24,973  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 595-1155  
; TELEFAX: (416) 595-1163  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 138 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-600-234-5

Query Match 62.0%; Score 12.4; DB 1; Length 138;  
Best Local Similarity 92.9%; Pred. No. 4.3e+03;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 CATGCATGCATTAC 15  
Db 106 CAAGCATGCATTAC 93

## RESULT 37

US-08-386-921-5/c  
; Sequence 5, Application US/08386921  
; Patent No. 5824497  
; GENERAL INFORMATION:  
; APPLICANT: ANDREWS, David W.  
; APPLICANT: HUGHES, Martin J.G.  
; APPLICANT: VASSILAKOS, Akaterini  
; TITLE OF INVENTION: HIGH EFFICIENCY TRANSLATION OF mRNA  
; TITLE OF INVENTION: MOLECULES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sim & McBurney  
; STREET: Suite 701, 330 University Avenue  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5G 1R7  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/386,921  
; FILING DATE: 10-FEB-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Stewart, Michael I.  
; REGISTRATION NUMBER: 24,973  
; REFERENCE/DOCKET NUMBER: 1038-423  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 595-1155  
; TELEFAX: (416) 595-1163  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 138 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-386-921-5

Query Match 62.0%; Score 12.4; DB 1; Length 138;  
Best Local Similarity 92.9%; Pred. No. 4.3e+03;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 CATGCATGCATTAC 15  
Db 106 CAAGCATGCATTAC 93

## RESULT 38

US-08-386-921-13/c  
; Sequence 13, Application US/08386921  
; Patent No. 5824497  
; GENERAL INFORMATION:  
; APPLICANT: ANDREWS, David W.  
; APPLICANT: HUGHES, Martin J.G.  
; APPLICANT: VASSILAKOS, Akaterini  
; TITLE OF INVENTION: HIGH EFFICIENCY TRANSLATION OF mRNA  
; TITLE OF INVENTION: MOLECULES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sim & McBurney  
; STREET: Suite 701, 330 University Avenue  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5G 1R7  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30

;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/386,921  
;; FILING DATE: 10-FEB-1995  
;; CLASSIFICATION: 435  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Stewart, Michael I.  
;; REGISTRATION NUMBER: 24,973  
;; REFERENCE/DOCKET NUMBER: 1038-423  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (416) 595-1155  
;; TELEFAX: (416) 595-1163  
;; INFORMATION FOR SEQ ID NO: 13:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 141 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
US-08-386-921-13

Query Match 62.0%; Score 12.4; DB 1; Length 141;  
Best Local Similarity 92.9%; Pred. No. 4.4e+03;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 CATGCATGCATTAC 15  
Db 86 CAAGCATGCATTAC 73

RESULT 39  
US-08-386-921-11/c  
; Sequence 11, Application US/08386921  
; Patent No. 5824497  
; GENERAL INFORMATION:  
; APPLICANT: Andrews, David W.  
; APPLICANT: Hughes, Martin J.G.  
; APPLICANT: Vassilakos, Akaterini  
; TITLE OF INVENTION: HIGH EFFICIENCY TRANSLATION OF mRNA  
; TITLE OF INVENTION: MOLEUCLES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sim & McBurney  
; STREET: Suite 701, 330 University Avenue  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5G 1R7  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/386,921  
; FILING DATE: 10-FEB-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Stewart, Michael I.  
; REGISTRATION NUMBER: 24,973  
; REFERENCE/DOCKET NUMBER: 1038-423  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 595-1155  
; TELEFAX: (416) 595-1163  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 144 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-386-921-11

Query Match 62.0%; Score 12.4; DB 1; Length 144;  
Best Local Similarity 92.9%; Pred. No. 4.4e+03;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 CATGCATGCATTAC 15  
Db 89 CAAGCATGCATTAC 76

RESULT 40  
US-08-386-921-9/c  
; Sequence 9, Application US/08386921  
; Patent No. 5824497  
; GENERAL INFORMATION:  
; APPLICANT: Andrews, David W.  
; APPLICANT: Hughes, Martin J.G.  
; APPLICANT: Vassilakos, Akaterini  
; TITLE OF INVENTION: HIGH EFFICIENCY TRANSLATION OF mRNA  
; TITLE OF INVENTION: MOLEUCLES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sim & McBurney  
; STREET: Suite 701, 330 University Avenue  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5G 1R7  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/386,921  
; FILING DATE: 10-FEB-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Stewart, Michael I.  
; REGISTRATION NUMBER: 24,973  
; REFERENCE/DOCKET NUMBER: 1038-423  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 595-1155  
; TELEFAX: (416) 595-1163  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 147 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-386-921-9

Query Match 62.0%; Score 12.4; DB 1; Length 147;  
Best Local Similarity 92.9%; Pred. No. 4.4e+03;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 CATGCATGCATTAC 15  
Db 92 CAAGCATGCATTAC 79

Search completed: July 12, 2005, 21:41:32  
Job time : 119.975 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 18:12:19 ; Search time 141.329 Seconds

(without alignments)  
222.117 Million cell updates/sec

Title: US-09-540-843-6

Perfect score: 5

Sequence: 1 catcac 5

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 6330945 seqs, 3139162390 residues

Total number of hits satisfying chosen parameters: 7146590

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

Published Applications NA:\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq.\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq.\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq.\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq.\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq.\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq.\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq.\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*
- 13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10D\_PUBCOMB.seq.\*
- 17: /cgn2\_6/ptodata/2/pubpna/US10E\_PUBCOMB.seq.\*
- 18: /cgn2\_6/ptodata/2/pubpna/US10F\_PUBCOMB.seq.\*
- 19: /cgn2\_6/ptodata/2/pubpna/US10G\_PUBCOMB.seq.\*
- 20: /cgn2\_6/ptodata/2/pubpna/US10H\_PUBCOMB.seq.\*
- 21: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq.\*
- 22: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*
- 23: /cgn2\_6/ptodata/2/pubpna/US11A\_PUBCOMB.seq.\*
- 24: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*
- 25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*
- 26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	5	100.0	5	14	US-10-122-630-4
C 2	5	100.0	5	14	US-10-122-630-6
C 3	5	100.0	5	14	US-10-122-633-4
C 4	5	100.0	5	14	US-10-122-633-6
C 5	5	100.0	7	13	US-10-027-632-178029
C 6	5	100.0	7	13	US-10-027-632-178043
C 7	5	100.0	7	14	US-10-122-630-3
C 1	5	100.0	5	14	US-10-122-630-4
C 2	5	100.0	5	14	US-10-122-630-6
C 3	5	100.0	5	14	US-10-122-633-4
C 4	5	100.0	5	14	US-10-122-633-6
C 5	5	100.0	7	13	US-10-027-632-178029
C 6	5	100.0	7	13	US-10-027-632-178043
C 7	5	100.0	7	14	US-10-122-630-3

C 8	5	100.0	7	14	US-10-122-630-7	Sequence 7, Appli
C 9	5	100.0	7	14	US-10-122-633-3	Sequence 3, Appli
C 10	5	100.0	7	14	US-10-122-633-7	Sequence 7, Appli
11	5	100.0	7	17	US-10-027-632-178029	Sequence 178029,
12	5	100.0	7	17	US-10-027-632-178043	Sequence 178043,
13	5	100.0	7	22	US-10-780-507-13	Sequence 14, Appl
14	5	100.0	7	22	US-10-780-507-14	Sequence 14, Appl
15	5	100.0	7	22	US-10-780-507-15	Sequence 15, Appl
16	5	100.0	7	22	US-10-780-507-16	Sequence 15, Appl
17	5	100.0	7	22	US-10-780-507-17	Sequence 17, Appl
18	5	100.0	7	22	US-10-780-507-19	Sequence 19, Appl
19	5	100.0	8	9	US-09-142-593-11	Sequence 11, Appl
20	5	100.0	8	9	US-09-927-886-17	Sequence 17, Appl
21	5	100.0	8	9	US-09-861-014-6	Sequence 6, Appli
22	5	100.0	8	15	US-10-263-159-11	Sequence 11, Appl
23	5	100.0	8	15	US-10-128-560-224	Sequence 224, App
24	5	100.0	8	16	US-10-191-698-11	Sequence 11, Appl
25	5	100.0	8	17	US-10-314-578-1138	Sequence 1138, Ap
26	5	100.0	8	17	US-10-332-914-5	Sequence 5, Appli
27	5	100.0	8	18	US-10-608-516-17	Sequence 17, Appl
28	5	100.0	8	20	US-10-742-740-3	Sequence 3, Appli
29	5	100.0	8	21	US-10-861-108-9	Sequence 9, Appli
30	5	100.0	9	10	US-09-990-186-623	Sequence 623, App
31	5	100.0	9	10	US-09-990-186-2220	Sequence 2220, Ap
32	5	100.0	9	10	US-09-990-186-2256	Sequence 2256, Ap
33	5	100.0	9	10	US-09-989-994-623	Sequence 623, App
34	5	100.0	9	10	US-09-989-994-2220	Sequence 2220, Ap
35	5	100.0	9	10	US-09-989-994-2256	Sequence 2256, Ap
36	5	100.0	9	14	US-10-122-630-1	Sequence 1, Appli
37	5	100.0	9	14	US-10-096-596-32	Sequence 32, Appl
38	5	100.0	9	17	US-10-378-558A-13	Sequence 13, Appl
39	5	100.0	9	18	US-10-427-629-3	Sequence 3, Appli
40	5	100.0	10	8	US-08-935-377-16	Sequence 16, Appl
41	5	100.0	10	9	US-09-822-350-16	Sequence 16, Appl
42	5	100.0	10	9	US-09-398-399-31	Sequence 31, Appl
43	5	100.0	10	9	US-09-899-381-31	Sequence 31, Appl
44	5	100.0	10	10	US-09-962-602-7	Sequence 7, Appli
45	5	100.0	10	10	US-09-962-602-8	Sequence 8, Appli
46	5	100.0	10	10	US-09-990-186-622	Sequence 622, App
47	5	100.0	10	10	US-09-990-186-636	Sequence 636, App
48	5	100.0	10	10	US-09-990-186-1338	Sequence 1338, Ap
49	5	100.0	10	10	US-09-990-186-1341	Sequence 1341, Ap
50	5	100.0	10	10	US-09-990-186-1342	Sequence 1342, Ap
51	5	100.0	10	10	US-09-990-186-1343	Sequence 1343, Ap
52	5	100.0	10	10	US-09-989-994-622	Sequence 622, App
53	5	100.0	10	10	US-09-989-994-636	Sequence 636, App
54	5	100.0	10	10	US-09-989-994-1338	Sequence 1338, Ap
55	5	100.0	10	10	US-09-989-994-1341	Sequence 1341, Ap
56	5	100.0	10	10	US-09-989-994-1342	Sequence 1342, Ap
57	5	100.0	10	10	US-09-989-994-1343	Sequence 1343, Ap
58	5	100.0	10	10	US-09-910-469-73	Sequence 73, Appl
59	5	100.0	10	10	US-09-910-469-74	Sequence 74, Appl
60	5	100.0	10	13	US-10-033-145-2	Sequence 2, Appli
61	5	100.0	10	13	US-10-033-145-313	Sequence 313, App
62	5	100.0	10	13	US-10-033-145-549	Sequence 549, App
63	5	100.0	10	13	US-10-033-145-723	Sequence 723, App
64	5	100.0	10	13	US-10-033-145-766	Sequence 766, App
65	5	100.0	10	13	US-10-033-145-824	Sequence 824, App
66	5	100.0	10	13	US-10-033-145-979	Sequence 979, App
67	5	100.0	10	13	US-10-033-145-1023	Sequence 1023, Ap
68	5	100.0	10	13	US-10-033-145-1052	Sequence 1052, Ap
69	5	100.0	10	13	US-10-033-145-1053	Sequence 1053, Ap
70	5	100.0	10	13	US-10-033-145-1134	Sequence 1134, Ap
71	5	100.0	10	13	US-10-033-145-1255	Sequence 1255, Ap
72	5	100.0	10	13	US-10-033-145-1423	Sequence 1423, Ap
73	5	100.0	10	13	US-10-033-145-1551	Sequence 1551, Ap
74	5	100.0	10	13	US-10-033-145-1566	Sequence 1566, Ap
75	5	100.0	10	13	US-10-033-145-1661	Sequence 1661, Ap
76	5	100.0	10	13	US-10-033-145-1698	Sequence 1698, Ap
77	5	100.0	10	13	US-10-033-145-1699	Sequence 1699, Ap
78	5	100.0	10	13	US-10-033-145-1724	Sequence 1724, Ap
79	5	100.0	10	13	US-10-033-145-1820	Sequence 1820, Ap
80	5	100.0	10	13	US-10-033-145-2048	Sequence 2048, Ap



US-10-122-633-6  
; Sequence 6, Application US/10122633  
; Publication No. US20030032611A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Vaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-019  
; CURRENT APPLICATION NUMBER: US/10/122,633  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6  
; LENGTH: 5  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-633-6

Query Match 100.0%; Score 5; DB 14; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.2e+09;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 1 CATAC 5

RESULT 5  
US-10-027-632-178029  
; Sequence 178029, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 178029  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-178029

Query Match 100.0%; Score 5; DB 13; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5

Db 1 CATAC 5

RESULT 6  
US-10-027-632-178043  
; Sequence 178043, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 178043  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-178043

Query Match 100.0%; Score 5; DB 13; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 1 CATAC 5

RESULT 7  
US-10-122-630-3/c  
; Sequence 3, Application US/10122630  
; Publication No. US20030032610A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Eller, Mark S.  
; APPLICANT: Vaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-018  
; CURRENT APPLICATION NUMBER: US/10/122,630  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 08/467,012  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: PCT/US96/08386  
; PRIOR FILING DATE: 1996-06-03  
; PRIOR APPLICATION NUMBER: US 09/048,927  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 7

; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-630-3

Query Match 100.0%; Score 5; DB 14; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
|  
|  
|  
|  
Db 6 CATAC 2

## RESULT 8

US-10-122-630-7/c  
; Sequence 7, Application US/10122630  
; Publication No. US20030032610A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Eller, Mark S.  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-018  
; CURRENT APPLICATION NUMBER: US/10/122,630  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 08/467,012  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: PCT/US96/08386  
; PRIOR FILING DATE: 1996-06-03  
; PRIOR APPLICATION NUMBER: US 09/048,927  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-630-7

Query Match 100.0%; Score 5; DB 14; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
|  
|  
|  
|  
Db 6 CATAC 2

## RESULT 9

US-10-122-633-3/c  
; Sequence 3, Application US/10122633  
; Publication No. US20030032611A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Eller, Mark S.  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-019  
; CURRENT APPLICATION NUMBER: US/10/122,633  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162

; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-633-3

Query Match 100.0%; Score 5; DB 14; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
|  
|  
|  
|  
Db 6 CATAC 2

## RESULT 10

US-10-122-633-7/c  
; Sequence 7, Application US/10122633  
; Publication No. US20030032611A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Eller, Mark S.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; TITLE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-019  
; CURRENT APPLICATION NUMBER: US/10/122,633  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-633-7

Query Match 100.0%; Score 5; DB 14; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
|  
|  
|  
|  
Db 6 CATAC 2

## RESULT 11

US-10-027-632-178029  
; Sequence 178029, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 32520  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 178029  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-178029

Query Match 100.0%; Score 5; DB 17; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5  
Db 1 CATAC 5

RESULT 12  
US-10-027-632-178043  
; Sequence 178043, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; FILE REFERENCE: Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 32520  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 178043  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Human

Query Match 100.0%; Score 5; DB 17; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5  
Db 1 CATAC 5

RESULT 13  
US-10-780-507-13  
; Sequence 13, Application US/10780507  
; Publication No. US20050137387A1  
; GENERAL INFORMATION:  
; APPLICANT: MULLINS, James I.

; APPLICANT: RODRIGO, Allen G.  
; APPLICANT: LEARN, Gerald H.  
; APPLICANT: LI, Fusheng  
; APPLICANT: NICKLE, David C.  
; APPLICANT: JENSEN, Mark A.  
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO  
; FILE REFERENCE: 16336-001320US  
; CURRENT APPLICATION NUMBER: US/10/780,507  
; CURRENT FILING DATE: 2004-02-17  
; PRIOR APPLICATION NUMBER: US 10/204,204  
; PRIOR FILING DATE: 2001-02-16  
; PRIOR APPLICATION NUMBER: PCT/US01/05288  
; PRIOR FILING DATE: 2001-02-16  
; PRIOR APPLICATION NUMBER: US 60/183,659  
; PRIOR FILING DATE: 2000-02-18  
; PRIOR APPLICATION NUMBER: US 60/447,586  
; PRIOR FILING DATE: 2003-02-14  
; NUMBER OF SEQ ID NOS: 125  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin  
; OTHER INFORMATION: ed ancestral node.  
US-10-780-507-13

Query Match 100.0%; Score 5; DB 22; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5  
Db 1 CATAC 5

RESULT 14  
US-10-780-507-14  
; Sequence 14, Application US/10780507  
; Publication No. US20050137387A1  
; GENERAL INFORMATION:  
; APPLICANT: MULLINS, James I.  
; APPLICANT: RODRIGO, Allen G.  
; APPLICANT: LEARN, Gerald H.  
; APPLICANT: LI, Fusheng  
; APPLICANT: NICKLE, David C.  
; APPLICANT: JENSEN, Mark A.  
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO  
; FILE REFERENCE: 16336-001320US  
; CURRENT APPLICATION NUMBER: US/10/780,507  
; CURRENT FILING DATE: 2004-02-17  
; PRIOR APPLICATION NUMBER: US 10/204,204  
; PRIOR FILING DATE: 2001-02-16  
; PRIOR APPLICATION NUMBER: PCT/US01/05288  
; PRIOR FILING DATE: 2001-02-16  
; PRIOR APPLICATION NUMBER: US 60/183,659  
; PRIOR FILING DATE: 2000-02-18  
; PRIOR APPLICATION NUMBER: US 60/447,586  
; PRIOR FILING DATE: 2003-02-14  
; NUMBER OF SEQ ID NOS: 125  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 14  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin  
; OTHER INFORMATION: ed ancestral node.  
US-10-780-507-14

Query Match 100.0%; Score 5; DB 22; Length 7;  
Best Local Similarity 100.0%; Pred. No. 8.6e+08;

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Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
   ||||
Db 1 CATAC 5

RESULT 15
US-10-780-507-15
; Sequence 15, Application US/10780507
; Publication No. US20050137387A1
; GENERAL INFORMATION:
; APPLICANT: MULLINS, James I.
; APPLICANT: RODRIGO, Allen G.
; APPLICANT: LEARN, Gerald H.
; APPLICANT: LI, Fusheng
; APPLICANT: NICKLE, David C.
; APPLICANT: JENSEN, Mark A.
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
; FILE REFERENCE: 16336-001320US
; CURRENT APPLICATION NUMBER: US/10/780,507
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 10/204,204
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US01/05288
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/183,659
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: US 60/447,586
; PRIOR FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; TYPE: DNA
; LENGTH: 7
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
; OTHER INFORMATION: ed ancestral node.
US-10-780-507-15

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
   ||||
Db 1 CATAC 5

RESULT 16
US-10-780-507-17
; Sequence 17, Application US/10780507
; Publication No. US20050137387A1
; GENERAL INFORMATION:
; APPLICANT: MULLINS, James I.
; APPLICANT: RODRIGO, Allen G.
; APPLICANT: LEARN, Gerald H.
; APPLICANT: LI, Fusheng
; APPLICANT: NICKLE, David C.
; APPLICANT: JENSEN, Mark A.
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
; FILE REFERENCE: 16336-001320US
; CURRENT APPLICATION NUMBER: US/10/780,507
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 10/204,204
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US01/05288
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/183,659
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: US 60/447,586
; PRIOR FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; TYPE: DNA
; LENGTH: 7
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
; OTHER INFORMATION: ed ancestral node.
US-10-780-507-17

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
   ||||
Db 1 CATAC 5

RESULT 17
US-10-780-507-19
; Sequence 19, Application US/10780507
; Publication No. US20050137387A1
; GENERAL INFORMATION:
; APPLICANT: MULLINS, James I.
; APPLICANT: RODRIGO, Allen G.
; APPLICANT: LEARN, Gerald H.
; APPLICANT: LI, Fusheng
; APPLICANT: NICKLE, David C.
; APPLICANT: JENSEN, Mark A.
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
; FILE REFERENCE: 16336-001320US
; CURRENT APPLICATION NUMBER: US/10/780,507
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 10/204,204
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US01/05288
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/183,659
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: US 60/447,586
; PRIOR FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
; OTHER INFORMATION: ed ancestral node.
US-10-780-507-19

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
   ||||
Db 1 CATAC 5

RESULT 18
US-09-142-593-11
; Sequence 11, Application US/09142593
; Patent No. US20020016975A1
; GENERAL INFORMATION:
; APPLICANT: HACKETT ET AL.
```

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; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, most parsimonious reconstruction of determine
; OTHER INFORMATION: d ancestral node.
US-10-780-507-17

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
   ||||
Db 1 CATAC 5

RESULT 17
US-10-780-507-19
; Sequence 19, Application US/10780507
; Publication No. US20050137387A1
; GENERAL INFORMATION:
; APPLICANT: MULLINS, James I.
; APPLICANT: RODRIGO, Allen G.
; APPLICANT: LEARN, Gerald H.
; APPLICANT: LI, Fusheng
; APPLICANT: NICKLE, David C.
; APPLICANT: JENSEN, Mark A.
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
; FILE REFERENCE: 16336-001320US
; CURRENT APPLICATION NUMBER: US/10/780,507
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 10/204,204
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US01/05288
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/183,659
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: US 60/447,586
; PRIOR FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
; OTHER INFORMATION: ed ancestral node.
US-10-780-507-19

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
   ||||
Db 1 CATAC 5

RESULT 18
US-09-142-593-11
; Sequence 11, Application US/09142593
; Patent No. US20020016975A1
; GENERAL INFORMATION:
; APPLICANT: HACKETT ET AL.
```



```
; TITLE OF INVENTION: DNA-BASED TRANSPOSON SYSTEM FOR THE
; TITLE OF INVENTION: INTRODUCTION OF NUCLEIC ACID INTO DNA OF A CELL
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A.
; STREET: 119 NORTH FOURTH STREET, SUITE 203
; CITY: MINNEAPOLIS
; STATE: MINNESOTA
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/142,593
; FILING DATE: 10-SEP-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/040,664
; FILING DATE: 11-MAR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/053,868
; FILING DATE: 28-JUL-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/065,303
; FILING DATE: 13-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US98/04687
; FILING DATE: 11-MAR-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: SANDBERG, VICTORIA A.
; REGISTRATION NUMBER: 41,287
; REFERENCE/DOCKET NUMBER: 110.00450101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612-305-1226
; TELEFAX: 612-305-1228
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-142-593-11

Query Match 100.0%; Score 5; DB 9; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 2 CATAC 6

RESULT 19
US-09-927-886-17
; Sequence 17, Application US/09927886
; Patent No. US20020103152A1
; GENERAL INFORMATION:
; APPLICANT: Kay, Mark A.
; TITLE OF INVENTION: Methods of In Vivo Gene Transfer Using a
; FILE REFERENCE: STAN-160CIP
; CURRENT APPLICATION NUMBER: US/09/927,886
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/162,279
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 09/440,301
; PRIOR FILING DATE: 1999-11-17
; NUMBER OF SEQ ID NOS: 19
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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 8
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: transposon repeat sequence
US-09-927-886-17

Query Match 100.0%; Score 5; DB 9; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 2 CATAC 6

RESULT 20
US-09-861-014-6
; Sequence 6, Application US/09861014
; Patent No. US20020115216A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Clifford
; APPLICANT: Kren, Betsy
; APPLICANT: Linehan-Scieers, Cheryle
; APPLICANT: McIvor, R.
; APPLICANT: Hackett, Perry
; TITLE OF INVENTION: Composition for Delivery of Compounds to Cells
; FILE REFERENCE: 110.01330101
; CURRENT APPLICATION NUMBER: US/09/861,014
; CURRENT FILING DATE: 2001-05-19
; PRIOR APPLICATION NUMBER: US 60/206,002
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/285,121
; PRIOR FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 8
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Direct repeat sequence
US-09-861-014-6

Query Match 100.0%; Score 5; DB 9; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 2 CATAC 6

RESULT 21
US-10-263-159-11
; Sequence 11, Application US/10263159
; Publication No. US20030124668A1
; GENERAL INFORMATION:
; APPLICANT: HACKETT ET AL.
; TITLE OF INVENTION: DNA-BASED TRANSPOSON SYSTEM FOR THE
; INTRODUCTION OF NUCLEIC ACID INTO DNA OF A CELL
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A.
; STREET: 119 NORTH FOURTH STREET, SUITE 203
; CITY: MINNEAPOLIS
; STATE: MINNESOTA
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/263,159  
; FILING DATE: 02-Oct-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/142,593  
; FILING DATE: 10-SEP-1998  
; APPLICATION NUMBER: 60/040,664  
; FILING DATE: 11-MAR-1997  
; APPLICATION NUMBER: 60/053,868  
; FILING DATE: 28-JUL-1997  
; APPLICATION NUMBER: 60/065,303  
; FILING DATE: 13-NOV-1997  
; APPLICATION NUMBER: PCT/US98/04687  
; FILING DATE: 11-MAR-1998  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SANDBERG, VICTORIA A.  
; REGISTRATION NUMBER: 41,287  
; REFERENCE/DOCKET NUMBER: 110.00450101  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 612-305-1226  
; TELEFAX: 612-305-1228  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-10-263-159-11

Query Match 100.0%; Score 5; DB 15; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 2 CATAC 6

RESULT 22  
US-10-128-560-224/c  
; Sequence 224, Application US/10128560  
; Publication No. US20030134272a1  
; GENERAL INFORMATION:  
; APPLICANT: Universiteit Gent  
; TITLE OF INVENTION: Improved mutation analysis of the NF1 Gene  
; FILE REFERENCE: UG-005-PCT  
; CURRENT APPLICATION NUMBER: US/10/128,560  
; CURRENT FILING DATE: 2002-04-18  
; PRIOR APPLICATION NUMBER: EP 99870216.1  
; PRIOR FILING DATE: 1999-10-18  
; PRIOR APPLICATION NUMBER: EP 00870122.9  
; PRIOR FILING DATE: 2000-06-05  
; PRIOR APPLICATION NUMBER: UG 60/211,929  
; PRIOR FILING DATE: 2000-06-16  
; NUMBER OF SEQ ID NOS: 264  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 224  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-128-560-224

Query Match 100.0%; Score 5; DB 15; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5

Db 7 CATAC 3  
RESULT 23  
US-10-191-698-11  
; Sequence 11, Application US/10191698  
; Publication No. US20030154500A1  
; GENERAL INFORMATION:  
; APPLICANT: Hackett, P. B.  
; APPLICANT: Clark, Karl J.  
; APPLICANT: Ivics, Zoltan  
; APPLICANT: Izsavak, Zsuzsanna  
; APPLICANT: Scott C. Fahrenkrug  
; TITLE OF INVENTION: NUCLEIC ACID TRANSFER VECTOR FOR THE INTRODUCTION OF  
; FILE REFERENCE: 110.00870102  
; CURRENT APPLICATION NUMBER: US/10/191,698  
; CURRENT FILING DATE: 2002-07-09  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: A portion of a  
; OTHER INFORMATION: direct repeat sequence  
US-10-191-698-11

Query Match 100.0%; Score 5; DB 16; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 2 CATAC 6

RESULT 24  
US-10-314-578-1138/c  
; Sequence 1138, Application US/10314578  
; Publication No. US20030212026A1  
; GENERAL INFORMATION:  
; APPLICANT: Krieg, Arthur M.  
; APPLICANT: Vollmer, Jorg  
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids  
; FILE REFERENCE: C1039/7035 (HCL/MAR)  
; CURRENT APPLICATION NUMBER: US/10/314,578  
; CURRENT FILING DATE: 2002-12-09  
; PRIOR APPLICATION NUMBER: US 60/156,113  
; PRIOR FILING DATE: 1999-09-25  
; PRIOR APPLICATION NUMBER: US 60/156,135  
; PRIOR FILING DATE: 1999-09-27  
; PRIOR APPLICATION NUMBER: US 60/227,436  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 1145  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1138  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Sequence  
US-10-314-578-1138

Query Match 100.0%; Score 5; DB 17; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5

Db 7 CATAC 3

RESULT 25  
US-10-332-914-5/c  
; Sequence 5, Application US/10332914  
; Publication No. US20040025200A1  
; GENERAL INFORMATION:  
; APPLICANT: Unigrop Ltd  
; TITLE OF INVENTION: Molecular Control of Transgene Segregation and Its  
; FILE REFERENCE: A0420PC-  
; CURRENT APPLICATION NUMBER: US/10/332,914  
; PRIOR FILING DATE: 2003-01-14  
; PRIOR APPLICATION NUMBER: US 09/517,543  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: PCT/F101/00670  
; PRIOR FILING DATE: 2001-07-16  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 8  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: -  
; OTHER INFORMATION: 5' exon/intron boundary site  
US-10-332-914-5

Query Match 100.0%; Score 5; DB 17; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
|||||

Db 7 CATAC 3

RESULT 26  
US-10-608-516-17  
; Sequence 17, Application US/10608516  
; Publication No. US20040092471A1  
; GENERAL INFORMATION:  
; APPLICANT: Kay, Mark A.  
; TITLE OF INVENTION: Methods of In Vivo Gene Transfer Using a  
; FILE REFERENCE: STAN-160CIP  
; CURRENT APPLICATION NUMBER: US/10/608,516  
; PRIOR FILING DATE: 2003-06-26  
; PRIOR APPLICATION NUMBER: US/09/927,886  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: 60/162,279  
; PRIOR FILING DATE: 1999-10-28  
; PRIOR APPLICATION NUMBER: 09/440,301  
; PRIOR FILING DATE: 1999-11-17  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: transposon repeat sequence  
US-10-608-516-17

Query Match 100.0%; Score 5; DB 18; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
|||||

Db 7 CATAC 3

RESULT 27  
US-10-742-740-3  
; Sequence 3, Application US/10742740  
; Publication No. US20040234504A1  
; GENERAL INFORMATION:  
; APPLICANT: VERMA, Inder M.  
; APPLICANT: TISCORNIA, Gustavo  
; TITLE OF INVENTION: METHODS OF INHIBITING GENE EXPRESSION BY  
; FILE REFERENCE: RNA INTERFERENCE  
; CURRENT APPLICATION NUMBER: US/10/742,740  
; PRIOR FILING DATE: 2003-12-18  
; PRIOR APPLICATION NUMBER: 60/434,523  
; PRIOR FILING DATE: 2002-12-18  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-742-740-3

Query Match 100.0%; Score 5; DB 20; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
|||||

Db 2 CATAC 6

RESULT 28  
US-10-861-108-9  
; Sequence 9, Application US/10861108  
; Publication No. US20050003542A1  
; GENERAL INFORMATION:  
; APPLICANT: Kay, Mark A.  
; APPLICANT: Yant, Stephen  
; TITLE OF INVENTION: Enhanced Sleeping Beauty Transposon  
; FILE REFERENCE: STAN-307  
; CURRENT APPLICATION NUMBER: US/10/861,108  
; PRIOR FILING DATE: 2004-06-03  
; PRIOR APPLICATION NUMBER: 60/476,266  
; PRIOR FILING DATE: 2003-06-04  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 9  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: salmonid  
US-10-861-108-9

Query Match 100.0%; Score 5; DB 21; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
|||||

Db 2 CATAC 6

RESULT 29  
US-09-990-186-623  
; Sequence 623, Application US/09990186  
; Publication No. US20030068675A1  
; GENERAL INFORMATION:

; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.21 / S11-US3  
; CURRENT APPLICATION NUMBER: US/09/990,186  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 623  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-990-186-623

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 2 CATAC 6

## RESULT 30

US-09-990-186-2220/c  
; Sequence 2220, Application US/09990186  
; Publication No. US20030068675A1  
; GENERAL INFORMATION:

; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.21 / S11-US3  
; CURRENT APPLICATION NUMBER: US/09/990,186  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2220  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-990-186-2220

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 8 CATAC 4

## RESULT 31

US-09-990-186-2256/c  
; Sequence 2256, Application US/09990186  
; Publication No. US20030068675A1  
; GENERAL INFORMATION:

; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.21 / S11-US3  
; CURRENT APPLICATION NUMBER: US/09/990,186  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2256  
; LENGTH: 9  
; TYPE: DNA

; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-990-186-2256

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 8 CATAC 4

## RESULT 32

US-09-989-994-623  
; Sequence 623, Application US/09989994  
; Publication No. US20030104526A1  
; GENERAL INFORMATION:

; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.20 / S11-US2  
; CURRENT APPLICATION NUMBER: US/09/989,994  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 623  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-989-994-623

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 2 CATAC 6

## RESULT 33

US-09-989-994-2220/c  
; Sequence 2220, Application US/09989994  
; Publication No. US20030104526A1  
; GENERAL INFORMATION:

; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.20 / S11-US2  
; CURRENT APPLICATION NUMBER: US/09/989,994  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2220  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-989-994-2220

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5

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Db      8 CATAC 4      |||||
RESULT 34
US-09-989-994-2256/c
; Sequence 2256, Application US/09989994
; Publication No. US20030104526A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE OF INVENTION: TRIPLETS BY ZINC FINGERS
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,994
; CURRENT FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2256
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example target
; OTHER INFORMATION: DNA
US-09-989-994-2256
Query Match      100.0%; Score 5; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 6.7e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CATAC 5      |||||
Db      8 CATAC 4      |||||
RESULT 35
US-10-122-630-1/c
; Sequence 1, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrest, Barbara A.
; APPLICANT: Yaar, Mina
; APPLICANT: Eller, Mark S.
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-018
; CURRENT APPLICATION NUMBER: US/10/122,630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-1
Query Match      100.0%; Score 5; DB 14; Length 9;
Best Local Similarity 100.0%; Pred. No. 6.7e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CATAC 5      |||||
Db      7 CATAC 3      |||||
RESULT 36
US-10-122-633-1/c
; Sequence 1, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrest, Barbara A.
; APPLICANT: Yaar, Mina
; APPLICANT: Eller, Mark S.
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-019
; CURRENT APPLICATION NUMBER: US/10/122,633
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-1
Query Match      100.0%; Score 5; DB 14; Length 9;
Best Local Similarity 100.0%; Pred. No. 6.7e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CATAC 5      |||||
Db      7 CATAC 3      |||||
RESULT 37
US-10-096-596-32
; Sequence 32, Application US/10096596
; Publication No. US20030049653A1
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth W
; APPLICANT: Vogelstein, Bert
; APPLICANT: Velculescu, Victor
; APPLICANT: Zhang, Lin
; TITLE OF INVENTION: METHOD FOR SERIAL ANALYSIS OF GENE EXPRESSION
; FILE REFERENCE: 001107.00242
; CURRENT APPLICATION NUMBER: US/10/096,596
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: US 08/527,154
; PRIOR FILING DATE: 1995-09-12
; PRIOR APPLICATION NUMBER: US 08/544,861
; PRIOR FILING DATE: 1995-10-18
; PRIOR APPLICATION NUMBER: US 09/107,228
; PRIOR FILING DATE: 1998-06-30
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-096-596-32
Query Match      100.0%; Score 5; DB 14; Length 9;
Best Local Similarity 100.0%; Pred. No. 6.7e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CATAC 5      |||||
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Db          3  CATAC 7
RESULT 38
US-10-378-558A-13/c
; Sequence 13, Application US/10378558A
; Publication No. US20040009576A1
; GENERAL INFORMATION:
; APPLICANT: Kalscheuer, Rainer
; APPLICANT: Steinbuechel, Alexander
; APPLICANT: Voelker, Toni
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODIFICATION OF LIPID BIOSYNTHESIS
; FILE REFERENCE: MONS:026US2
; CURRENT APPLICATION NUMBER: US/10/378,558A
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: 60/360,774
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Acinetobacter calcoaceticus
US-10-378-558A-13
Query Match      100.0%; Score 5; DB 17; Length 9;
Best Local Similarity 100.0%; Pred. No. 6.7e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  CATAC 5
Db      7  CATAC 3

RESULT 39
US-10-427-629-3/c
; Sequence 3, Application US/10427629
; Publication No. US20040078834A1
; GENERAL INFORMATION:
; APPLICANT: Croce, Carlo M.
; TITLE OF INVENTION: Human Chronic Lymphocytic Leukemia Modeled In Mouse By Targeted
; FILE REFERENCE: TJU2851
; CURRENT APPLICATION NUMBER: US/10/427,629
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: 60/376,464
; PRIOR FILING DATE: 2002-04-29
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-427-629-3
Query Match      100.0%; Score 5; DB 18; Length 9;
Best Local Similarity 100.0%; Pred. No. 6.7e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  CATAC 5
Db      6  CATAC 2

RESULT 40
US-08-935-377-16
; Sequence 16, Application US/08935377
; Publication No. US20030133917A1
; GENERAL INFORMATION:
; APPLICANT: Zauderer, Maurice
; TITLE OF INVENTION: T Cells Specific for Target Antigens and
; TITLE OF INVENTION: Vaccines Based Thereon
; NUMBER OF SEQUENCES: 37
```

```
;
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C
; STREET: 1100 New York Avenue, N.W., Suite 600
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,377
; FILING DATE: 22-SEP-1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1821.0010000/EKS/CMB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-935-377-16
Query Match      100.0%; Score 5; DB 8; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.1e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  CATAC 5
Db      6  CATAC 10

Search completed: July 13, 2005, 04:11:20
Job time : 142.329 secs
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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 15:44:02 ; Search time 29.4937 seconds  
(without alignments)  
277.395 Million cell updates/sec

Title: US-09-540-843-6

Perfect score: 5

Sequence: 1 catcac 5

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1407054

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

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2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/1/ina/PTCUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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C 2	5	100.0	5	3	US-09-048-927-4
C 3	5	100.0	5	3	US-09-498-851-20
C 4	5	100.0	7	1	US-08-615-170-10
C 5	5	100.0	7	1	US-08-615-170-12
C 6	5	100.0	7	3	US-09-048-927-3
C 7	5	100.0	8	4	US-09-142-593-11
C 8	5	100.0	8	4	US-09-927-886-17
C 9	5	100.0	9	2	US-08-583-276-1
C 10	5	100.0	9	3	US-08-646-789A-8
C 11	5	100.0	9	3	US-08-646-789A-80
C 12	5	100.0	9	3	US-09-048-927-1
C 13	5	100.0	9	3	US-09-319-648-68
C 14	5	100.0	9	4	US-10-096-596-32
C 15	5	100.0	10	1	US-09-263-790-37
C 16	5	100.0	10	1	US-09-721-777-19
C 17	5	100.0	10	1	US-08-335-565A-27
C 18	5	100.0	10	1	US-08-250-951-1
C 19	5	100.0	10	1	US-08-232-233-1
C 20	5	100.0	10	1	US-08-222-177A-422
C 21	5	100.0	10	1	US-08-351-748-23
C 22	5	100.0	10	1	US-08-351-748-25
C 23	5	100.0	10	1	US-08-202-927-25
C 24	5	100.0	10	1	US-08-430-536A-23
C 25	5	100.0	10	1	US-08-430-536A-25
C 26	5	100.0	10	1	US-08-171-718-45
C 27	5	100.0	10	2	US-08-703-601-1
C 28	5	100.0	10	2	US-08-684-547-23
C 29	5	100.0	10	2	US-08-684-547-25
C 30	5	100.0	10	3	US-08-489-318-174
C 31	5	100.0	10	3	US-08-468-609A-174
C 32	5	100.0	10	3	US-08-478-087-45
C 33	5	100.0	10	3	US-09-063-450-24
C 34	5	100.0	10	3	US-09-063-450-33
C 35	5	100.0	10	3	US-09-123-638-1
C 36	5	100.0	10	3	US-08-646-895-30
C 37	5	100.0	10	3	US-08-875-533-31
C 38	5	100.0	10	3	US-08-446-872A-174
C 39	5	100.0	10	3	US-09-724-753-1
C 40	5	100.0	10	3	US-08-762-327A-174
C 41	5	100.0	10	4	US-09-475-947A-23
C 42	5	100.0	10	4	US-09-427-834A-34
C 43	5	100.0	10	4	US-09-445-388A-7
C 44	5	100.0	10	4	US-09-508-753B-252
C 45	5	100.0	10	4	US-09-508-753B-265
C 46	5	100.0	10	4	US-09-508-753B-273
C 47	5	100.0	10	4	US-09-508-753B-278
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C 52	5	100.0	10	4	US-09-508-753B-405
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C 54	5	100.0	10	4	US-09-508-753B-415
C 55	5	100.0	10	4	US-09-508-753B-445
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C 57	5	100.0	10	4	US-09-508-753B-455
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C 64	5	100.0	10	4	US-09-889-611A-31
C 65	5	100.0	10	4	US-09-889-611A-31
C 66	5	100.0	10	4	US-10-034-350A-16
C 67	5	100.0	10	4	PCT-US92-09827-1
C 68	5	100.0	10	5	PCT-US95-01185-174
C 69	5	100.0	10	5	PCT-US95-02419-25
C 70	5	100.0	10	5	PCT-US96-06053-30
C 71	5	100.0	10	5	5198343-3
C 72	5	100.0	10	6	5198343-3
C 73	5	100.0	11	1	US-08-401-512-19
C 74	5	100.0	11	1	US-08-147-696B-4
C 75	5	100.0	11	1	US-08-696-139-6
C 76	5	100.0	11	1	US-08-484-334-4
C 77	5	100.0	11	2	US-08-441-887A-82
C 78	5	100.0	11	2	US-08-441-887A-151
C 79	5	100.0	11	2	US-08-812-994-1
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C 81	5	100.0	11	2	US-09-013-092-4
C 82	5	100.0	11	3	US-09-280-999-4
C 83	5	100.0	11	3	US-09-157-257-21
C 84	5	100.0	11	3	US-09-157-257-34
C 85	5	100.0	11	3	US-08-477-831C-33
C 86	5	100.0	11	4	US-09-249-155A-125
C 87	5	100.0	11	4	US-09-269-006-1
C 88	5	100.0	11	4	US-09-320-080-1
C 89	5	100.0	12	1	US-07-990-297-8
C 90	5	100.0	12	1	US-07-704-288C-18
C 91	5	100.0	12	1	US-08-035-928-7
C 92	5	100.0	12	1	US-08-035-928-7
C 93	5	100.0	12	1	US-08-586-120-9
C 94	5	100.0	12	1	US-08-254-355-9
C 95	5	100.0	12	1	US-08-297-808A-3
C 96	5	100.0	12	1	US-08-379-259-18
C 97	5	100.0	12	1	US-08-608-881A-21
C 98	5	100.0	12	1	US-08-667-023-5
C 99	5	100.0	12	2	US-08-441-887A-59
C 100	5	100.0	12	2	US-08-441-887A-59

Sequence 23, Appl  
Sequence 25, Appl  
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Sequence 406, Appl  
Sequence 415, Appl  
Sequence 419, Appl  
Sequence 445, Appl  
Sequence 447, Appl  
Sequence 455, Appl  
Sequence 458, Appl  
Sequence 459, Appl  
Sequence 467, Appl  
Sequence 11, Appl  
Sequence 12, Appl  
Sequence 16, Appl  
Sequence 31, Appl  
Sequence 43, Appl  
Sequence 16, Appl  
Sequence 1, Appl  
Sequence 174, Appl  
Sequence 25, Appl  
Sequence 30, Appl  
Patent No. 5198343  
Patent No. 5198343  
Sequence 19, Appl  
Sequence 4, Appl  
Sequence 6, Appl  
Sequence 4, Appl  
Sequence 82, Appl  
Sequence 151, Appl  
Sequence 9, Appl  
Sequence 4, Appl  
Sequence 4, Appl  
Sequence 21, Appl  
Sequence 34, Appl  
Sequence 33, Appl  
Sequence 125, Appl  
Sequence 1, Appl  
Sequence 1, Appl  
Sequence 8, Appl  
Sequence 18, Appl  
Sequence 7, Appl  
Sequence 9, Appl  
Sequence 9, Appl  
Sequence 18, Appl  
Sequence 21, Appl  
Sequence 5, Appl  
Sequence 59, Appl

## ALIGNMENTS

## RESULT 1

US-08-855-372B-20/c  
; Sequence 20, Application US/08855372B  
; Patent No. 6090549  
; GENERAL INFORMATION:  
; APPLICANT: Mirzabekov, Andrei D  
; APPLICANT: Parinov, Sergei V  
; APPLICANT: Barsky, Victor E  
; APPLICANT: Kirillov, Eugene V  
; APPLICANT: Dubiley, Svetlana A  
; TITLE OF INVENTION: Use of Continuous/Contiguous Stacking Hybridization as a Diagnostic Tool  
; NUMBER OF SEQUENCES: 88  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CHERSKOV & FLAYNIK  
; STREET: 20 N. Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: United States  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.50 inch, 1.4 MB storage  
; COMPUTER: PC  
; OPERATING SYSTEM: Microsoft Windows 98  
; SOFTWARE: Wordperfect  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/855,372B  
; FILING DATE: 13-MAY-97  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: U.S. 08/587,332  
; FILING DATE: 16-JAN-96  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Cherskov, Michael J.  
; REGISTRATION NUMBER: 33,664  
; REFERENCE/DOCKET NUMBER: ANL-IN-95-027  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312) 621-1330  
; TELEFAX: (312) 621-0088  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 bases  
; TYPE: nucleic acid  
; STRANDEDNESS: No. 6090549 Applicable  
; TOPOLOGY: linear  
; MOLECULE TYPE: Genomic DNA  
; HYPOTHETICAL: yes  
US-08-855-372B-20

Query Match 100.0%; Score 5; DB 3; Length 5;  
Best Local Similarity 100.0%; Pred. No. 3e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 5 CATAC 1

## RESULT 2

US-09-048-927-4/c  
; Sequence 4, Application US/09048927  
; Patent No. 6147056  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Yaar, Mina  
; APPLICANT: Eller, Mark  
; TITLE OF INVENTION: Use of Locally Applied DNA Fragments  
; FILE REFERENCE: BU94-68A2  
; CURRENT APPLICATION NUMBER: US/09/048,927  
; CURRENT FILING DATE: 1998-03-26

; EARLIER APPLICATION NUMBER: 08/952,697  
; EARLIER FILING DATE: 1996-06-03  
; EARLIER APPLICATION NUMBER: 08/467,012  
; EARLIER FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 4  
; LENGTH: 5  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: DNA Fragment  
US-09-048-927-4

Query Match 100.0%; Score 5; DB 3; Length 5;  
Best Local Similarity 100.0%; Pred. No. 3e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 5 CATAC 1

## RESULT 3

US-09-498-851-20/c  
; Sequence 20, Application US/09498851  
; Patent No. 6440671  
; GENERAL INFORMATION:  
; APPLICANT: Mirzabekov, Andrei D  
; APPLICANT: Parinov, Sergei V  
; APPLICANT: Barsky, Victor E  
; APPLICANT: Kirillov, Eugene V  
; APPLICANT: Dubiley, Svetlana A  
; TITLE OF INVENTION: Use of Continuous/Contiguous Stacking Hybridization as a Diagnostic Tool  
; NUMBER OF SEQUENCES: 88  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CHERSKOV & FLAYNIK  
; STREET: 20 N. Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: United States  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.50 inch, 1.4 MB storage  
; COMPUTER: PC  
; OPERATING SYSTEM: Microsoft Windows 98  
; SOFTWARE: Wordperfect  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/498,851  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/855,372  
; FILING DATE: 13-MAY-97  
; APPLICATION NUMBER: U.S. 08/587,332  
; FILING DATE: 16-JAN-96  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Cherskov, Michael J.  
; REGISTRATION NUMBER: 33,664  
; REFERENCE/DOCKET NUMBER: ANL-IN-95-027  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312) 621-1330  
; TELEFAX: (312) 621-0088  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 bases  
; TYPE: nucleic acid  
; STRANDEDNESS: No. 6440671 Applicable  
; TOPOLOGY: linear  
; MOLECULE TYPE: Genomic DNA  
; HYPOTHETICAL: yes  
US-09-498-851-20



Query Match 100.0%; Score 5; DB 3; Length 5;  
Best Local Similarity 100.0%; Pred. No. 3e+08; Indels 0;  
Matches 5; Conservative 0; Mismatches 0; Gaps 0;

QY 1 CATAC 5  
DB 5 CATAC 1

RESULT 4  
US-08-615-170-10  
; Sequence 10, Application US/08615170  
; Patent No. 5776776  
; GENERAL INFORMATION:  
; APPLICANT: ORDAHL, Charles P.  
; APPLICANT: AZAKIE, Anthony  
; APPLICANT: MAR, Janet H.  
; APPLICANT: FARRANCE, Iain K.G.  
; APPLICANT: HALL, Deborah E.  
; APPLICANT: STEWART, Alexandre F.R.  
; APPLICANT: LARKIN, Sarah B.  
; TITLE OF INVENTION: DTEF-1 ISOFORMS AND USES THEREOF  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Kourie and Crew  
; STREET: Steuart Street Tower, One Market Plaza  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: US  
; ZIP: 94105-1493  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; FILING DATE: 06-FEB-1995  
; APPLICATION NUMBER: US/08/615,170  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/01526  
; FILING DATE: 06-FEB-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/191,493  
; FILING DATE: 04-FEB-1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Heslin, James M.  
; REGISTRATION NUMBER: 29,541  
; REFERENCE/DOCKET NUMBER: 2307U-053120  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 1..7  
; OTHER INFORMATION: /standard name= "Sph-II binding  
; OTHER INFORMATION: site in SV40"  
US-08-615-170-10

Query Match 100.0%; Score 5; DB 1; Length 7;  
Best Local Similarity 100.0%; Pred. No. 2.1e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0;

QY 1 CATAC 5

Query Match 100.0%; Score 5; DB 3; Length 5;  
Best Local Similarity 100.0%; Pred. No. 3e+08; Indels 0;  
Matches 5; Conservative 0; Mismatches 0; Gaps 0;

QY 1 CATAC 5  
DB 5 CATAC 1

RESULT 5  
US-08-615-170-12  
; Sequence 12, Application US/08615170  
; Patent No. 5776776  
; GENERAL INFORMATION:  
; APPLICANT: ORDAHL, Charles P.  
; APPLICANT: AZAKIE, Anthony  
; APPLICANT: MAR, Janet H.  
; APPLICANT: FARRANCE, Iain K.G.  
; APPLICANT: HALL, Deborah E.  
; APPLICANT: STEWART, Alexandre F.R.  
; APPLICANT: LARKIN, Sarah B.  
; TITLE OF INVENTION: DTEF-1 ISOFORMS AND USES THEREOF  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Kourie and Crew  
; STREET: Steuart Street Tower, One Market Plaza  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: US  
; ZIP: 94105-1493  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; FILING DATE: 06-FEB-1995  
; APPLICATION NUMBER: US/08/615,170  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/01526  
; FILING DATE: 06-FEB-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/191,493  
; FILING DATE: 04-FEB-1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Heslin, James M.  
; REGISTRATION NUMBER: 29,541  
; REFERENCE/DOCKET NUMBER: 2307U-053120  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 1..7  
; OTHER INFORMATION: /standard name= "Rat beta-Myosin  
; OTHER INFORMATION: Heavy Chain M-CAT binding element"  
US-08-615-170-12

Query Match 100.0%; Score 5; DB 1; Length 7;  
Best Local Similarity 100.0%; Pred. No. 2.1e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0;

QY 1 CATAC 5  
DB 1 CATAC 5

RESULT 6

US-09-048-927-3/C  
; Sequence 3, Application US/09048927  
; Patent No. 6147056  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Yaav, Mina  
; APPLICANT: Eller, Mark  
; TITLE OF INVENTION: Use of Locally Applied DNA Fragments  
; FILE REFERENCE: BU94-68A2  
; CURRENT APPLICATION NUMBER: US/09/048,927  
; CURRENT FILING DATE: 1998-03-26  
; EARLIER APPLICATION NUMBER: 08/952,697  
; EARLIER FILING DATE: 1996-06-03  
; EARLIER APPLICATION NUMBER: 08/467,012  
; EARLIER FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 3  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: DNA Fragment  
US-09-048-927-3

Query Match 100.0%; Score 5; DB 3; Length 7;  
Best Local Similarity 100.0%; Pred. No. 2.1e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 6 CATAC 2

RESULT 7  
US-09-142-593-11  
; Sequence 11, Application US/09142593  
; Patent No. 6489458  
; GENERAL INFORMATION:  
; APPLICANT: HACKETT ET AL.  
; TITLE OF INVENTION: DNA-BASED TRANSPOSON SYSTEM FOR THE  
; INTRODUCTION OF NUCLEIC ACID INTO DNA OF A CELL  
; NUMBER OF SEQUENCES: 63  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MUEITING, RAASCH & GERHARDT, P.A.  
; STREET: 119 NORTH FOURTH STREET, SUITE 203  
; CITY: MINNEAPOLIS  
; STATE: MINNESOTA  
; COUNTRY: USA  
; ZIP: 55402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/142,593  
; FILING DATE: 10-SEP-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/040,664  
; FILING DATE: 11-MAR-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/053,868  
; FILING DATE: 28-JUL-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/065,303  
; FILING DATE: 13-NOV-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US98/04687  
; FILING DATE: 11-MAR-1998  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SANDBERG, VICTORIA A.

; REGISTRATION NUMBER: 41,287  
; REFERENCE/DOCKET NUMBER: 110.00450101  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 612-305-1226  
; TELEFAX: 612-305-1228  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-09-142-593-11

Query Match 100.0%; Score 5; DB 4; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.9e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 2 CATAC 6

RESULT 8  
US-09-927-886-17  
; Sequence 17, Application US/09927886  
; Patent No. 6613752  
; GENERAL INFORMATION:  
; APPLICANT: Kay, Mark A.  
; APPLICANT: Yant, Stephen  
; TITLE OF INVENTION: Methods of In Vivo Gene Transfer Using a  
; FILE REFERENCE: STAN-160CIP  
; CURRENT APPLICATION NUMBER: US/09/927,886  
; CURRENT FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: 60/162,279  
; PRIOR FILING DATE: 1999-10-28  
; PRIOR APPLICATION NUMBER: 09/440,301  
; PRIOR FILING DATE: 1999-11-17  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: transposon repeat sequence  
US-09-927-886-17

Query Match 100.0%; Score 5; DB 4; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.9e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 2 CATAC 6

RESULT 9  
US-08-583-276-1/C  
; Sequence 1, Application US/08583276  
; Patent No. 5837536  
; GENERAL INFORMATION:  
; APPLICANT: McDonagh, Kevin T.  
; APPLICANT: Nienhuis, Arthur  
; APPLICANT: Tolstoshev, Paul  
; TITLE OF INVENTION: IMPROVED EXPRESSION OF HUMAN  
; MULTIDRUG RESISTANCE GENES AND IMPROVED  
; SELECTION OF CELLS TRANSFECTED WITH SUCH GENES  
; NUMBER OF SEQUENCES: 19  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan,  
; ADDRESSEE: Cecchi & Stewart

STREET: 6 Becker Farm Road  
CITY: Roseland  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch diskette  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: DW4.V2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/583,276  
FILING DATE: 05-JAN-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/332,444  
FILING DATE: 31-OCT-1994  
APPLICATION NUMBER: 07/887,712  
FILING DATE: 22-MAY-1992  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 bases  
TYPE: nucleic acid  
STRANDEDNESS: singular  
TOPOLOGY: linear  
MOLECULE TYPE: Genomic DNA  
DESCRIPTION: Genomic DNA  
US-08-583-276-1  
Query Match 100.0%; Score 5; DB 2; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0;  
Gaps 0;  
Qy 1 CATAC 5  
Db 8 CATAC 4  
RESULT 10  
US-08-646-789A-8/c  
Sequence 8, Application US/08646789A  
Patent No. 6022863  
GENERAL INFORMATION:  
APPLICANT: Peyman, John A.  
TITLE OF INVENTION: REGULATION OF GENE EXPRESSION  
NUMBER OF SEQUENCES: 101  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/646,789A  
FILING DATE: May 21, 1996  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Mistrock, S. Lealie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 6523-006  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 base pairs

STREET: 6 Becker Farm Road  
CITY: Roseland  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch diskette  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: DW4.V2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/583,276  
FILING DATE: 05-JAN-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/332,444  
FILING DATE: 31-OCT-1994  
APPLICATION NUMBER: 07/887,712  
FILING DATE: 22-MAY-1992  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 bases  
TYPE: nucleic acid  
STRANDEDNESS: singular  
TOPOLOGY: linear  
MOLECULE TYPE: Genomic DNA  
DESCRIPTION: Genomic DNA  
US-08-583-276-1  
Query Match 100.0%; Score 5; DB 2; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0;  
Gaps 0;  
Qy 1 CATAC 5  
Db 8 CATAC 4  
RESULT 10  
US-08-646-789A-8/c  
Sequence 8, Application US/08646789A  
Patent No. 6022863  
GENERAL INFORMATION:  
APPLICANT: Peyman, John A.  
TITLE OF INVENTION: REGULATION OF GENE EXPRESSION  
NUMBER OF SEQUENCES: 101  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/646,789A  
FILING DATE: May 21, 1996  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Mistrock, S. Lealie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 6523-006  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 base pairs

STREET: 6 Becker Farm Road  
CITY: Roseland  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch diskette  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: DW4.V2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/583,276  
FILING DATE: 05-JAN-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/332,444  
FILING DATE: 31-OCT-1994  
APPLICATION NUMBER: 07/887,712  
FILING DATE: 22-MAY-1992  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 bases  
TYPE: nucleic acid  
STRANDEDNESS: singular  
TOPOLOGY: linear  
MOLECULE TYPE: Genomic DNA  
DESCRIPTION: Genomic DNA  
US-08-583-276-1  
Query Match 100.0%; Score 5; DB 2; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0;  
Gaps 0;  
Qy 1 CATAC 5  
Db 8 CATAC 4  
RESULT 10  
US-08-646-789A-8/c  
Sequence 8, Application US/08646789A  
Patent No. 6022863  
GENERAL INFORMATION:  
APPLICANT: Peyman, John A.  
TITLE OF INVENTION: REGULATION OF GENE EXPRESSION  
NUMBER OF SEQUENCES: 101  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/646,789A  
FILING DATE: May 21, 1996  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Mistrock, S. Lealie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 6523-006  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 base pairs

TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
US-08-646-789A-8  
Query Match 100.0%; Score 5; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0;  
Gaps 0;  
Qy 1 CATAC 5  
Db 5 CATAC 1  
RESULT 11  
US-08-646-789A-80/c  
Sequence 80, Application US/08646789A  
Patent No. 6022863  
GENERAL INFORMATION:  
APPLICANT: Peyman, John A.  
TITLE OF INVENTION: REGULATION OF GENE EXPRESSION  
NUMBER OF SEQUENCES: 101  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/646,789A  
FILING DATE: May 21, 1996  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Mistrock, S. Lealie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 6523-006  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
INFORMATION FOR SEQ ID NO: 80:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: RNA  
US-08-646-789A-80  
Query Match 100.0%; Score 5; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0;  
Gaps 0;  
Qy 1 CATAC 5  
Db 5 CATAC 1  
RESULT 12  
US-09-048-927-1/c  
Sequence 1, Application US/09048927  
Patent No. 6147056  
GENERAL INFORMATION:  
APPLICANT: Gilcrest, Barbara A.  
APPLICANT: Vaar, Mina  
APPLICANT: Eller, Mark

; TITLE OF INVENTION: Use of Locally Applied DNA Fragments  
; FILE REFERENCE: BU94-68A2  
; CURRENT APPLICATION NUMBER: US/09/048,927  
; CURRENT FILING DATE: 1998-03-26  
; EARLIER APPLICATION NUMBER: 08/952,697  
; EARLIER FILING DATE: 1996-06-03  
; EARLIER APPLICATION NUMBER: 08/467,012  
; EARLIER FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: DNA Fragment  
US-09-048-927-1

Query Match 100.0%; Score 5; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 7 CATAC 3

RESULT 13  
US-09-319-648-68  
; Sequence 68, Application US/09319648  
; Patent No. 6451530  
; GENERAL INFORMATION:  
; APPLICANT: Hawkins, Mary  
; TITLE OF INVENTION: Fluorescent Nucleotide Analog Hairpin  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/319,648  
; FILING DATE: 30-Jul-1999  
; CLASSIFICATION: <unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/032,844  
; FILING DATE: 13-DEC-1996  
; APPLICATION NUMBER: WO PCT/US97/22448  
; FILING DATE: 10-DEC-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fang, Carol  
; REGISTRATION NUMBER: 48,631  
; REFERENCE/DOCKET NUMBER: 015280-288100US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 68:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:  
US-09-319-648-68

Query Match 100.0%; Score 5; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 3 CATAC 7

RESULT 14  
US-10-096-596-32  
; Sequence 32, Application US/10096596  
; Patent No. 6746845  
; GENERAL INFORMATION:  
; APPLICANT: Kinzler, Kenneth W  
; APPLICANT: Vogelstein, Bert  
; APPLICANT: Velculescu, Victor  
; APPLICANT: Zhang, Lin  
; TITLE OF INVENTION: METHOD FOR SERIAL ANALYSIS OF GENE EXPRESSION  
; FILE REFERENCE: 001107.00242  
; CURRENT APPLICATION NUMBER: US/10/096,596  
; CURRENT FILING DATE: 2002-03-14  
; PRIOR APPLICATION NUMBER: US 08/527,154  
; PRIOR FILING DATE: 1995-09-12  
; PRIOR APPLICATION NUMBER: US 08/544,861  
; PRIOR FILING DATE: 1995-10-18  
; PRIOR APPLICATION NUMBER: US 09/107,228  
; PRIOR FILING DATE: 1998-06-30  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 32  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-096-596-32

Query Match 100.0%; Score 5; DB 4; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 3 CATAC 7

RESULT 15  
US-09-263-790-37/c  
; Sequence 37, Application US/09263790  
; Patent No. PP12997  
; GENERAL INFORMATION:  
; APPLICANT: Nirmal Kumar PATRA et al.  
; TITLE OF INVENTION: JAL FALLAVI, WATER LOGGING TOLERANT CYMBOPOGON WINTERIANUS  
; FILE REFERENCE: 2761-0120P  
; CURRENT APPLICATION NUMBER: US/09/263,790  
; CURRENT FILING DATE: 1999-03-05  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 37  
; LENGTH: 10  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Opt 19 Primer - Used to develop the unique RAPD profiles of the  
; OTHER INFORMATION: plant Jal Pallavi  
US-09-263-790-37

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 1 CATAC 5

Db 9 CATAC 5

RESULT 16  
US-09-721-777-19/c  
; Sequence 19, Application US/09721777  
; Patent No. Pp13279  
; GENERAL INFORMATION:  
; APPLICANT: Khanuja, Suman Preet Singh  
; APPLICANT: Kumar, Sushil  
; APPLICANT: Shasany, Ajit Kumar  
; APPLICANT: Dhawan, Sunita  
; APPLICANT: Datokar, Mahendra Pandurang  
; APPLICANT: Naqvi, Ali Arif  
; APPLICANT: Dhawan, Om Parkash  
; APPLICANT: Singh, Anil Kumar  
; APPLICANT: Patra, Nirmal Kumar  
; APPLICANT: Bahl, Janak Raj  
; APPLICANT: Baneal, Ram Prakash  
; TITLE OF INVENTION: Mint Plant Named Saksham  
; FILE REFERENCE: 033166-002  
; CURRENT APPLICATION NUMBER: US/09/721,777  
; CURRENT FILING DATE: 2000-11-27  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 19  
; LENGTH: 10  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: OPT primer  
US-09-721-777-19

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 9 CATAC 5

RESULT 17  
US-08-335-565A-27/c  
; Sequence 27, Application US/08335565A  
; Patent No. 5527671  
; GENERAL INFORMATION:  
; APPLICANT: Li, Kenning  
; APPLICANT: Rouse, Douglas I.  
; APPLICANT: German, Thomas L.  
; TITLE OF INVENTION: ASSAY FOR VERTICILLIUM DAHLIAE  
; NUMBER OF SEQUENCES: 33  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Quarles and Brady  
; STREET: 1 South Pinckney St., PO BOX 2113  
; CITY: Madison  
; STATE: WI  
; COUNTRY: USA  
; ZIP: 53701-2113  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/335,565A  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seay, Nicholas J  
; REGISTRATION NUMBER: 27,386  
; REFERENCE/DOCKET NUMBER: 960296.93065  
; TELECOMMUNICATION INFORMATION:

Query Match 100.0%; Score 5; DB 1; Length 10;

; TELEPHONE: 608-251-5000  
; TELEFAX: 608-251-9166  
; INFORMATION FOR SEQ ID NO: 27:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-335-565A-27

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 10 CATAC 6

RESULT 18  
US-08-250-951-1  
; Sequence 1, Application US/08250951  
; Patent No. 5532129  
; GENERAL INFORMATION:  
; APPLICANT: Heller, Michael J  
; TITLE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC  
; TITLE OF INVENTION: STRUCTURES BASED ON CHROMOPHORE- AND FLUOROPHORE-CONTAINING  
; TITLE OF INVENTION: POLYNUCLEOTIDES AND METHODS OF THEIR USE  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bingham & Fitting  
; STREET: 12526 High Bluff Drive, Suite 300  
; CITY: San Diego  
; STATE: California  
; COUNTRY: USA  
; ZIP: 92130  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/250,951  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/790,262  
; FILING DATE: 07-NOV-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitting, Thomas  
; REGISTRATION NUMBER: 34,163  
; REFERENCE/DOCKET NUMBER: HEL0002P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619-792-3680  
; TELEFAX: 619-792-8477  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 10  
; OTHER INFORMATION: /note= "Donor chromophore at the 3'  
; OTHER INFORMATION: T nucleotide"  
US-08-250-951-1

Query Match 100.0%; Score 5; DB 1; Length 10;



;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/351,748  
;; FILING DATE:  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/033,084  
;; FILING DATE: 11-MAR-1993  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Kaplan Esq., Warren A.  
;; REGISTRATION NUMBER: 34,199  
;; REFERENCE/DOCKET NUMBER: 181411-008  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 248-5000  
;; TELEFAX: (617) 248-4000  
;; INFORMATION FOR SEQ ID NO: 23:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 10 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
;; US-08-351-748-23

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 5 CATAC 1

RESULT 22  
US-08-351-748-25/c  
; Sequence 25, Application US/08351748  
; Patent No. 559672  
; GENERAL INFORMATION:  
; APPLICANT: Liang, Peng  
; APPLICANT: Pardee, Arthur B.  
; APPLICANT: Bianchi, Cesario F.  
; TITLE OF INVENTION: IDENTIFYING, ISOLATING, AND CLONING  
; TITLE OF INVENTION: MESSENGER RNAs  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CHOATE, HALL & STEWART  
; STREET: 53 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109-2891  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/351,748  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/033,084  
; FILING DATE: 11-MAR-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kaplan Esq., Warren A.  
; REGISTRATION NUMBER: 34,199  
; REFERENCE/DOCKET NUMBER: 181411-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 248-5000  
; TELEFAX: (617) 248-4000  
; INFORMATION FOR SEQ ID NO: 25:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs

;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
;; US-08-351-748-25

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 5 CATAC 1

RESULT 23  
US-08-202-927-25  
; Sequence 25, Application US/08202927  
; Patent No. 5646126  
; GENERAL INFORMATION:  
; APPLICANT: Cheng, Yung-chi  
; APPLICANT: Lukhtanov, Eugeny A.  
; APPLICANT: Meyer Jr., Rich B.  
; APPLICANT: Pai, Balakrishna S.  
; APPLICANT: Reed, Michael W.  
; APPLICANT: Zhou, James H.  
; TITLE OF INVENTION: Modified Oligonucleotide Duplexes Having  
; TITLE OF INVENTION: Anticancer Activity  
; NUMBER OF SEQUENCES: 70  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Klein & Szekeres  
; STREET: 4199 Campus Drive, Suite 700  
; CITY: Irvine  
; STATE: CA  
; COUNTRY: U.S.A.  
; ZIP: 92715  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/202,927  
; FILING DATE: 28-FEB-1994  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Szekeres, Gabor L.  
; REGISTRATION NUMBER: 28,675  
; REFERENCE/DOCKET NUMBER: 491-07-PA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (714) 854-5502  
; TELEFAX: (714) 854-4897  
; INFORMATION FOR SEQ ID NO: 25:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: modified\_base  
; LOCATION: 10  
; OTHER INFORMATION: /mod\_base= OTHER  
; OTHER INFORMATION: /note= "Nucleotide 10 has a tail which comprises  
; OTHER INFORMATION: a cholesterol moiety which has its A ring linked to  
; OTHER INFORMATION: the 3'-phosphate through a carbonyl group attached  
; OTHER INFORMATION: to the ring nitrogen of a moiety derived from  
; OTHER INFORMATION: 4-hydroxy-2-hydroxymethylpyrrolidine (see  
; OTHER INFORMATION: formula 3)."  
; US-08-202-927-25

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 1 CATAC 5

RESULT 24  
US-08-430-536A-23/c  
; Sequence 23, Application US/08430536A  
; Patent No. 5665547  
; GENERAL INFORMATION:  
; APPLICANT: Liang, Peng  
; TITLE OF INVENTION: IDENTIFYING, ISOLATING, AND CLONING  
; TITLE OF INVENTION: MESSENGER RNAs  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CHOATE, HALL & STEWART  
; STREET: 53 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109-2891  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/430,536A  
; FILING DATE: 25-APR-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Herschbach Ph.D., Brenda M.  
; REGISTRATION NUMBER: 39,223  
; REFERENCE/DOCKET NUMBER: 181411-012  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 248-5000  
; TELEFAX: (617) 248-4000  
; INFORMATION FOR SEQ ID NO: 23:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-430-536A-23

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 5 CATAC 1

RESULT 25  
US-08-430-536A-25/c  
; Sequence 25, Application US/08430536A  
; Patent No. 5665547  
; GENERAL INFORMATION:  
; APPLICANT: Liang, Peng  
; TITLE OF INVENTION: IDENTIFYING, ISOLATING, AND CLONING  
; TITLE OF INVENTION: MESSENGER RNAs  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CHOATE, HALL & STEWART  
; STREET: 53 State Street  
; CITY: Boston

STATE: MA  
COUNTRY: USA  
ZIP: 02109-2891  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/430,536A  
FILING DATE: 25-APR-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Herschbach Ph.D., Brenda M.  
REGISTRATION NUMBER: 39,223  
REFERENCE/DOCKET NUMBER: 181411-012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 248-5000  
TELEFAX: (617) 248-4000  
INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-430-536A-25

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 5 CATAC 1

RESULT 26  
US-08-171-718-45/c  
; Sequence 45, Application US/08171718  
; Patent No. 5707863  
; GENERAL INFORMATION:  
; APPLICANT: Trofatter, James A.  
; APPLICANT: MacCollin, Mia M.  
; APPLICANT: Guesella, James P.  
; TITLE OF INVENTION: Tumor Suppressor Gene Merlin and Uses  
; TITLE OF INVENTION: Thereof  
; NUMBER OF SEQUENCES: 120  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox  
; STREET: 1100 New York Avenue, N.W., Suite 600  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005-3934  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/171,718  
; FILING DATE: 22-DEC-1993  
; CLASSIFICATION: 436  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/108,808  
; FILING DATE: 19-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/022,034  
; FILING DATE: 25-FEB-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/026,063



```
; FILING DATE: 04-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Anne
; REGISTRATION NUMBER: 36,463
; REFERENCE/DOCKET NUMBER: 0609.3850003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-171-718-45

Query Match      100.0%; Score 5; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CATAC 5
DB      5 CATAC 1

RESULT 27
US-08-703-601-1
; Sequence 1, Application US/08703601
; Patent No. 5849489
; GENERAL INFORMATION:
; APPLICANT: Michael J. Heller
; TITLE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC
; TITLE OF INVENTION: STRUCTURES BASED ON CHROMOPHORE-
; TITLE OF INVENTION: AND FLUOROPHORE-CONTAINING
; TITLE OF INVENTION: POLYNUCLEOTIDES AND METHODS OF
; TITLE OF INVENTION: THEIR USE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/703,601
; FILING DATE: August 23, 1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/232,233
; FILING DATE: May 5, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Kappos, John
; REGISTRATION NUMBER: 37,861
; REFERENCE/DOCKET NUMBER: 221/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO

; FILING DATE: 04-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Anne
; REGISTRATION NUMBER: 36,463
; REFERENCE/DOCKET NUMBER: 0609.3850003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO

; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 10
; OTHER INFORMATION: /note-"Donor chromophore at the 3' T
; OTHER INFORMATION: nucleotide"
US-08-703-601-1

Query Match      100.0%; Score 5; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CATAC 5
DB      4 CATAC 8

RESULT 28
US-08-684-547-23/c
; Sequence 23, Application US/08684547
; Patent No. 5965409
; GENERAL INFORMATION:
; APPLICANT: Pardee Ph.D., Arthur B.
; APPLICANT: Liang Ph.D., Peng
; TITLE OF INVENTION: SYSTEM FOR COMPARING LEVELS OR AMOUNTS
; TITLE OF INVENTION: OF MRNAs
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHOATE, HALL & STEWART
; STREET: 53 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2891
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/684,547
; FILING DATE: 19-JUL-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jarrell Ph.D., Brenda H.
; REGISTRATION NUMBER: 39,223
; REFERENCE/DOCKET NUMBER: 0181411-0013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-5000
; TELEFAX: (617) 248-4000
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-684-547-23

Query Match      100.0%; Score 5; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CATAC 5
DB      5 CATAC 1

RESULT 29
US-08-684-547-25/c
; Sequence 25, Application US/08684547
; Patent No. 5965409
; GENERAL INFORMATION:
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; APPLICANT: Pardee Ph.D., Arthur B.  
; APPLICANT: Liang Ph.D., Peng  
; TITLE OF INVENTION: SYSTEM FOR COMPARING LEVELS OR AMOUNTS  
; TITLE OF INVENTION: OF mRNAs  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CHOATE, HALL & STEWART  
; STREET: 53 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109-2891  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/684,547  
; FILING DATE: 19-JUL-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jarrell Ph.D., Brenda H.  
; REGISTRATION NUMBER: 39,223  
; REFERENCE/DOCKET NUMBER: 0181411-0013  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 248-5000  
; TELEFAX: (617) 248-4000  
; INFORMATION FOR SEQ ID NO: 25:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; HYPOTHEICAL: NO  
; ANTI-SENSE: NO  
US-08-684-547-25

Query Match 100.0%; Score 5; DB 2; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 5 CATAC 1

RESULT 30  
US-08-469-318-174/c  
; Sequence 174, Application US/08469318  
; Patent No. 6022535  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: Multivariant IL-3 Hematopoiesis Fusion  
; TITLE OF INVENTION: Protein  
; NUMBER OF SEQUENCES: 196  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/469,318  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/446,872  
; FILING DATE:  
; INFORMATION FOR SEQ ID NO: 174:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single

; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "synthetic DNA"  
US-08-469-318-174

Query Match 100.0%; Score 5; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 10 CATAC 6

RESULT 31  
US-08-468-609A-174/c  
; Sequence 174, Application US/08468609A  
; Patent No. 6030812  
; GENERAL INFORMATION:  
; APPLICANT: Abrams, Mark A.  
; APPLICANT: Bauer, S. C.  
; APPLICANT: Braford-Goldberg, Sarah R.  
; APPLICANT: Caparon, Maire H.  
; APPLICANT: Easton, Alan M.  
; APPLICANT: Klein, Barbara K.  
; APPLICANT: McKearn, John P.  
; APPLICANT: Olin, Peter O.  
; APPLICANT: Paik, Kumnan  
; APPLICANT: Thomas, John W.  
; TITLE OF INVENTION: Fusion Proteins Comprising Multiply Mutated Inteleukin-3 (IL-3)  
; NUMBER OF SEQUENCES: 197  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co.,  
; ADDRESSEE: Corporate Patent Dept.  
; STREET: P. O. Box 5110  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60680  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/468,609A  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/192,325  
; FILING DATE: 14-FEB-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Bennett, Dennis A.  
; REGISTRATION NUMBER: 34,547  
; REFERENCE/DOCKET NUMBER: C-2790/3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (314)737-6986  
; TELEFAX: (314)737-6972  
; INFORMATION FOR SEQ ID NO: 174:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "synthetic DNA"  
US-08-468-609A-174

Query Match 100.0%; Score 5; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5



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; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA: US/09/123,638
; FILING DATE:
; APPLICATION NUMBER: 08/703,601
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; FILING DATE:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kappos, John
; REGISTRATION NUMBER: 37,861
; REFERENCE/DOCKET NUMBER: 221/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 10
; OTHER INFORMATION: /note-"Donor chromophore at the 3' T
; OTHER INFORMATION: nucleotide"
; US-09-123-638-1

Query Match 100.0%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAc 5
Db 4 CATAc 8

RESULT 36
US-08-646-695-30/c
; Sequence 30, Application US/08646695
; Patent No. 6168943
; GENERAL INFORMATION:
; APPLICANT: Rose, John K.
; TITLE OF INVENTION: RECOMBINANT VESICULOVIRUSES AND THEIR
; TITLE OF INVENTION: USES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,695
; FILING DATE: On Even Date Herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
```

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;
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: RNA
; FEATURE:
; NAME/KEY: polyA
; LOCATION: 10
; US-08-646-695-30

Query Match 100.0%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAc 5
Db 10 CATAc 6

RESULT 37
US-08-875-533-31/c
; Sequence 31, Application US/08875533
; Patent No. 6254870
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: No. 6254870e1 c-MPL Ligands
; NUMBER OF SEQUENCES: 73
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,533
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/383,035
; FILING DATE: 04-FEB-1995
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "synthetic DNA"
; US-08-875-533-31

Query Match 100.0%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAc 5
Db 5 CATAc 1

RESULT 38
US-08-446-872A-174/c
; Sequence 174, Application US/08446872A
; Patent No. 6361977
; GENERAL INFORMATION:
; APPLICANT: Abrams, Mark A.
; APPLICANT: Bauer, S. C.
```

APPLICANT: Braford-Goldberg, Sarah R.  
APPLICANT: Caparon, Mair H.  
APPLICANT: Easton, Alan M.  
APPLICANT: Klein, Barbara K.  
APPLICANT: McKearn, John P.  
APPLICANT: Oline, Peter O.  
APPLICANT: Paik, Kunnan  
APPLICANT: Thomas, John W.  
TITLE OF INVENTION: Multivariant IL-3 Hematopoiesis  
TITLE OF INVENTION: Fusion Protein  
NUMBER OF SEQUENCES: 197  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co.,  
ADDRESSEE: Corporate Patent Dept.  
STREET: P. O. Box 5110  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60680  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/446,872A  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/192,325  
FILING DATE: 14-FEB-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Bennett, Dennis A.  
REGISTRATION NUMBER: 34,547  
REFERENCE/DOCKET NUMBER: C-2790/1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 737-6986  
TELEFAX: (314) 737-6972  
INFORMATION FOR SEQ ID NO: 174:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "synthetic DNA"  
US-08-446-872A-174

Query Match 100.0%; Score 5; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 10 CATAC 6

RESULT 39  
US-09-724-753-1  
Sequence 1, Application US/09724753  
Patent No. 6416953  
GENERAL INFORMATION:  
APPLICANT: Michael J. Heller  
TITLE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC  
STRUCTURES BASED ON CHROMOPHORE-  
AND FLUOROPHORE-CONTAINING  
POLYNUCLEOTIDES AND METHODS OF  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
CITY: Los Angeles  
STATE: California

COUNTRY: USA  
ZIP: 90071  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)  
SOFTWARE: WordPerfect (Version 5.1)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/724,753  
FILING DATE: 28-No. 6416953-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/123,638  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Kappos, John  
REGISTRATION NUMBER: 37,861  
REFERENCE/DOCKET NUMBER: 221/078  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 10  
OTHER INFORMATION: /note="Donor chromophore at the 3' T  
nucleotide"  
US-09-724-753-1

Query Match 100.0%; Score 5; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5  
Db 4 CATAC 8

RESULT 40  
US-08-762-227A-174/c  
Sequence 174, Application US/08762227A  
Patent No. 6436387  
GENERAL INFORMATION:  
APPLICANT: Abrams, Mark A.  
Bauer, S. C.  
Braford-Goldberg, Sarah R.  
Caparon, Mair H.  
Easton, Alan M.  
Klein, Barbara K.  
McKearn, John P.  
Oline, Peter O.  
Paik, Kunnan  
Thomas, John W.  
TITLE OF INVENTION: Multivariant IL-3 Hematopoiesis  
Fusion Protein  
NUMBER OF SEQUENCES: 197  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co.,  
ADDRESSEE: Corporate Patent Dept.  
STREET: P. O. Box 5110  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/762,227A
; FILING DATE: 09-Dec-1996
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/192,325
; FILING DATE: 14-FEB-1994
; APPLICATION NUMBER: US 08/446,872
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bennett, Dennis A.
; REGISTRATION NUMBER: 34,547
; REFERENCE/DOCKET NUMBER: C-2790/5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (708)470-6501
; TELEFAX: (708)470-6881
; INFORMATION FOR SEQ ID NO: 174:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "synthetic DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 174:
US-08-762-227A-174

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Query Match          100.0%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred.No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 CATAC 5
Db      10 CATAC 6

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 15:44:02 ; Search time 53.0886 Seconds  
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Title: US-09-540-843-1

Perfect score: 9

Sequence: 1 gagtatgag 9

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Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1407054

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Issued Patents NA.\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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C 2	9	100.0	15	US-09-049-190-6	Sequence 6, Appli
C 3	9	100.0	15	US-09-049-190-7	Sequence 7, Appli
C 4	9	100.0	15	US-08-932-140C-6	Sequence 6, Appli
C 5	9	100.0	15	US-08-932-140C-7	Sequence 7, Appli
C 6	9	100.0	15	US-09-486-623C-6	Sequence 6, Appli
C 7	9	100.0	15	US-09-486-623C-7	Sequence 7, Appli
C 8	9	100.0	17	US-08-758-306-365	Sequence 365, App
C 9	9	100.0	17	US-08-758-306-367	Sequence 367, App
C 10	9	100.0	17	US-08-758-306-369	Sequence 369, App
C 11	9	100.0	17	US-08-758-306-371	Sequence 371, App
C 12	9	100.0	17	US-08-866-108A-2750	Sequence 2750, App
C 13	9	100.0	17	US-09-866-108A-2751	Sequence 2751, App
C 14	9	100.0	17	US-09-866-108A-2752	Sequence 2752, App
C 15	9	100.0	17	US-09-866-108A-2753	Sequence 2753, App
C 16	9	100.0	17	US-09-866-108A-2754	Sequence 2754, App
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C 18	9	100.0	17	US-09-866-108A-2756	Sequence 2756, App
C 19	9	100.0	17	US-09-866-108A-2757	Sequence 2757, App
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C 21	9	100.0	20	US-09-287-796-101	Sequence 101, App
C 22	9	100.0	20	US-09-287-796-102	Sequence 102, App
C 23	9	100.0	20	US-09-130-616-101	Sequence 101, App
C 24	9	100.0	20	US-09-130-616-102	Sequence 102, App
C 25	9	100.0	20	US-09-105-058C-15	Sequence 15, Appli
C 26	9	100.0	20	US-09-851-082-29	Sequence 29, Appli
C 27	9	100.0	20	US-09-517-467B-84	Sequence 84, Appli

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C 29	9	100.0	20	US-09-774-809-101	Sequence 101, App
C 30	9	100.0	20	US-09-774-809-102	Sequence 102, App
C 31	9	100.0	21	US-09-422-978-8965	Sequence 8965, Ap
C 32	9	100.0	21	5455029-26	Patent No. 5455029
C 33	9	100.0	21	5455029-26	Patent No. 5455029
C 34	9	100.0	21	US-09-088-274-8	Sequence 8, Appli
C 35	9	100.0	23	US-09-245-248B-23	Sequence 23, Appli
C 36	9	100.0	25	US-09-866-108A-5679	Sequence 5679, Ap
C 37	9	100.0	25	US-09-866-108A-5680	Sequence 5680, Ap
C 38	9	100.0	25	US-09-866-108A-5681	Sequence 5681, Ap
C 39	9	100.0	25	US-09-866-108A-5682	Sequence 5682, Ap
C 40	9	100.0	25	US-09-866-108A-5683	Sequence 5683, Ap
C 41	9	100.0	25	US-09-866-108A-5684	Sequence 5684, Ap
C 42	9	100.0	25	US-09-866-108A-5685	Sequence 5685, Ap
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C 44	9	100.0	25	US-09-866-108A-5687	Sequence 5687, Ap
C 45	9	100.0	25	US-09-866-108A-5688	Sequence 5688, Ap
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C 47	9	100.0	25	US-09-866-108A-5690	Sequence 5690, Ap
C 48	9	100.0	25	US-09-866-108A-5691	Sequence 5691, Ap
C 49	9	100.0	25	US-09-866-108A-5692	Sequence 5692, Ap
C 50	9	100.0	25	US-09-866-108A-5693	Sequence 5693, Ap
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C 52	9	100.0	25	US-09-866-108A-5695	Sequence 5695, Ap
C 53	9	100.0	25	US-09-396-196G-2411	Sequence 2411, Ap
C 54	9	100.0	25	US-09-396-196G-36106	Sequence 36106, A
C 55	9	100.0	25	US-09-396-196G-44517	Sequence 44517, A
C 56	9	100.0	25	US-09-396-196G-44518	Sequence 44518, A
C 57	9	100.0	25	US-09-396-196G-45378	Sequence 45378, A
C 58	9	100.0	25	US-09-396-196G-68099	Sequence 68099, A
C 59	9	100.0	25	US-09-396-196G-68100	Sequence 68100, A
C 60	9	100.0	25	US-09-396-196G-79028	Sequence 79028, A
C 61	9	100.0	25	US-09-396-196G-79029	Sequence 79029, A
C 62	9	100.0	25	US-09-396-196G-79030	Sequence 79030, A
C 63	9	100.0	25	US-09-396-196G-85792	Sequence 85792, A
C 64	9	100.0	25	US-09-396-196G-109088	Sequence 109088, A
C 65	9	100.0	25	US-09-396-196G-116862	Sequence 116862, A
C 66	9	100.0	25	US-09-396-196G-119309	Sequence 119309, A
C 67	9	100.0	26	US-09-417-485D-32	Sequence 32, Appli
C 68	9	100.0	27	US-08-932-140C-21	Sequence 21, Appli
C 69	9	100.0	27	US-09-486-623C-28	Sequence 28, Appli
C 70	9	100.0	28	US-09-031-006-4	Sequence 4, Appli
C 71	9	100.0	28	US-09-922-271-4	Sequence 4, Appli
C 72	9	100.0	29	US-09-231-077D-1	Sequence 1, Appli
C 73	9	100.0	32	US-09-938-391A-9	Sequence 9, Appli
C 74	9	100.0	34	US-08-211-718-14	Sequence 14, Appli
C 75	9	100.0	36	US-09-383-143-8	Sequence 8, Appli
C 76	9	100.0	36	US-09-383-143-36	Sequence 36, Appli
C 77	9	100.0	37	US-08-029-030-1	Sequence 1, Appli
C 78	9	100.0	37	5455029-3	Patent No. 5455029
C 79	9	100.0	37	5455029-3	Patent No. 5455029
C 80	9	100.0	38	US-09-194-613-18	Sequence 18, Appli
C 81	9	100.0	38	US-09-383-143-30	Sequence 30, Appli
C 82	9	100.0	39	US-08-980-032-4	Sequence 4, Appli
C 83	9	100.0	39	US-09-477-871-4	Sequence 4, Appli
C 84	9	100.0	39	US-09-383-143-9	Sequence 9, Appli
C 85	9	100.0	40	US-08-425-684-27	Sequence 27, Appli
C 86	9	100.0	40	US-08-425-684-34	Sequence 34, Appli
C 87	9	100.0	40	US-08-675-502-27	Sequence 27, Appli
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C 89	9	100.0	40	US-09-245-802-27	Sequence 27, Appli
C 90	9	100.0	40	US-09-245-802-34	Sequence 34, Appli
C 91	9	100.0	40	US-09-485-147A-40	Sequence 40, Appli
C 92	9	100.0	41	US-08-980-032-1	Sequence 1, Appli
C 93	9	100.0	41	US-09-477-871-1	Sequence 1, Appli
C 94	9	100.0	42	US-09-383-143-10	Sequence 10, Appli
C 95	9	100.0	43	US-08-881-094-35	Sequence 35, Appli
C 96	9	100.0	45	US-09-383-143-11	Sequence 11, Appli
C 97	9	100.0	46	US-08-152-721B-7	Sequence 7, Appli
C 98	9	100.0	47	US-09-422-978-2734	Sequence 2734, Ap
C 99	9	100.0	54	US-09-383-143-12	Sequence 12, Appli
C 100	9	100.0	60	US-08-484-192-174	Sequence 174, App

## ALIGNMENTS

RESULT 1  
US-09-048-927-1  
; Sequence 1, Application US/09048927  
; Patent No. 6147056  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Yaar, Mina  
; APPLICANT: Eller, Mark  
; TITLE OF INVENTION: Use of Locally Applied DNA Fragments  
; FILE REFERENCE: BU94-68A2  
; CURRENT APPLICATION NUMBER: US/09/048,927  
; CURRENT FILING DATE: 1998-03-26  
; EARLIER APPLICATION NUMBER: 08/952,697  
; EARLIER FILING DATE: 1996-06-03  
; EARLIER APPLICATION NUMBER: 08/467,012  
; EARLIER FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: DNA Fragment  
US-09-048-927-1

Query Match 100.0%; Score 9; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.8e+08;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9  
DB 1 GAGTATGAG 9

RESULT 2  
US-09-049-190-6/c  
; Sequence 6, Application US/09049190  
; Patent No. 6190866  
; GENERAL INFORMATION:  
; APPLICANT: Nielsen et al.  
; TITLE OF INVENTION: Peptide Nucleic Acids Having  
; TITLE OF INVENTION: Antibacterial Activity  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: U.S.A.  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch disk, 1.44 Mb  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WordPerfect 6.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/049,190  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: John W. Caldwell  
; REGISTRATION NUMBER: 28,937  
; REFERENCE/DOCKET NUMBER: ISIS-2560  
; TELECOMMUNICATION INFORMATION:  
; & No. 6190866ris LLP

; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 bases  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 2  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 3  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 4  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 5  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 6  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 7  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
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; NAME/KEY: Modified-site  
; LOCATION: 8  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
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; LOCATION: 9  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
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; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
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; LOCATION: 12  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 13  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone



FEATURE: Modified-site  
LOCATION: 14  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 15  
OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-lysine-glycine  
OTHER INFORMATION: backbone  
US-09-049-190-6

Query Match 100.0%; Score 9; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 11 GAGTATGAG 3

## RESULT 3

US-09-049-190-7/c  
Sequence 7, Application US/09049190  
Patent No. 6190866  
GENERAL INFORMATION:  
APPLICANT: Nielsen et al.  
TITLE OF INVENTION: Peptide Nucleic Acids Having  
TITLE OF INVENTION: Antibacterial Activity  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6190866ris LLP  
STREET: One Liberty Place - 46th Floor  
CITY: Philadelphia  
STATE: PA  
COUNTRY: U.S.A.  
ZIP: 19103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch disk, 1.44 Mb  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/049,190  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: John W. Caldwell  
REGISTRATION NUMBER: 28,937  
REFERENCE/DOCKET NUMBER: ISIS-2560  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 2  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:

NAME/KEY: Modified-site  
LOCATION: 3  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 4  
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OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
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OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 6  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 7  
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
OTHER INFORMATION: backbone  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 8  
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NAME/KEY: Modified-site  
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OTHER INFORMATION: backbone  
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NAME/KEY: Modified-site  
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LOCATION: 14  
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NAME/KEY: Modified-site  
LOCATION: 15  
OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-lysine-glycine  
OTHER INFORMATION: backbone  
US-09-049-190-7

Query Match 100.0%; Score 9; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 14 GAGTATGAG 6

RESULT 4  
US-08-932-140C-6/c  
; Sequence 6, Application US/08932140C  
; Patent No. 6300318  
; GENERAL INFORMATION:  
; APPLICANT: Nielsen et al.  
; TITLE OF INVENTION: Peptide Nucleic Acids Having  
; TITLE OF INVENTION: Antibacterial Activity  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; ADDRESSEE: No. 6300318vis LLP  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: U.S.A.  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Microsoft Word  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/932.140C  
; FILING DATE: September 16, 1997  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: John W. Caldwell  
; REGISTRATION NUMBER: 28,937  
; REFERENCE/DOCKET NUMBER: ISIS-2560  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 bases  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 2  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone  
; FEATURE:  
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; LOCATION: 3  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone  
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; LOCATION: 4  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone  
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; LOCATION: 5  
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; LOCATION: 7  
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; NAME/KEY: Modified-site  
; LOCATION: 8  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone  
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; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone  
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; LOCATION: 10  
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; NAME/KEY: Modified-site  
; LOCATION: 14  
; OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine  
; OTHER INFORMATION: backbone  
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; NAME/KEY: Modified-site  
; LOCATION: 15  
; OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-  
; OTHER INFORMATION: lysine-glycine backbone  
US-08-932-140C-6  
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Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GAGTATGAG 9  
Db 11 GAGTATGAG 3  
RESULT 5  
US-08-932-140C-7/c  
; Sequence 7, Application US/08932140C  
; Patent No. 6300318  
; GENERAL INFORMATION:  
; APPLICANT: Nielsen et al.  
; TITLE OF INVENTION: Peptide Nucleic Acids Having  
; TITLE OF INVENTION: Antibacterial Activity  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; ADDRESSEE: No. 6300318vis LLP  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: U.S.A.  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Microsoft Word  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/932.140C  
; FILING DATE: September 16, 1997  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:

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ATTORNEY/AGENT INFORMATION:
NAME: John W. Caldwell
REGISTRATION NUMBER: 28,937
REFERENCE/DOCKET NUMBER: ISIS-2560
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 2
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
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OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 4
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OTHER INFORMATION: backbone
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OTHER INFORMATION: backbone
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OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 7
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 8
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 9
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 10
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OTHER INFORMATION: backbone
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NAME/KEY: Modified-site
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OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 12
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
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FEATURE:
NAME/KEY: Modified-site
LOCATION: 13
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 14
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 15
OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-
OTHER INFORMATION: lysine-glycine backbone
US-08-932-140C-7
Query Match 100.0%; Score 9; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.6e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAGTATGAG 9
Db 14 GAGTATGAG 6
RESULT 6
US-09-486-623C-6/c
Sequence 6, Application US/09486623C
Patent No. 6734161
GENERAL INFORMATION:
APPLICANT: Nielsen, Peter E.
TITLE OF INVENTION: Peptide Nucleic Acids Having Antibacterial Activity
FILE REFERENCE: ISIS-3292
CURRENT APPLICATION NUMBER: US/09/486,623C
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 08/932,140
PRIOR FILING DATE: 1997-09-16
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 6
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic construct
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(14)
OTHER INFORMATION: N-acetyl(2-aminoethyl) glycine
FEATURE:
NAME/KEY: misc feature
LOCATION: (15)..(15)
OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-lysine-glycine
US-09-486-623C-6
Query Match 100.0%; Score 9; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.6e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAGTATGAG 9
Db 11 GAGTATGAG 3
RESULT 7
US-09-486-623C-7/c
Sequence 7, Application US/09486623C
Patent No. 6734161
GENERAL INFORMATION:
APPLICANT: Nielsen, Peter E.
TITLE OF INVENTION: Peptide Nucleic Acids Having Antibacterial Activity
FILE REFERENCE: ISIS-3292
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; CURRENT APPLICATION NUMBER: US/09/486,623C  
; PRIOR FILING DATE: 2000-07-06  
; PRIOR APPLICATION NUMBER: 08/932,140  
; PRIOR FILING DATE: 1997-09-16  
; NUMBER OF SEQ ID NOS: 30  
; SOFTWARE: Patentin version 3.2  
; SEQ ID NO 7  
; LENGTH: 15  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic construct  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)-(14)  
; OTHER INFORMATION: N-acetyl (2-aminoethyl) glycine  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (15)-(15)  
; OTHER INFORMATION: N-{acetyl(2-aminoethyl)}-C-lysine-glycine  
US-09-486-623C-7

Query Match 100.0%; Score 9; DB 4; Length 15;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
||| |||||

Db 14 GAGTATGAG 6

## RESULT 8

US-08-758-306-365/c  
; Sequence 365, Application US/08758306  
; Patent No. 5807743

## GENERAL INFORMATION:

; APPLICANT: Stinchcomb, Dan T.  
; APPLICANT: McSwiggen, James A.  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE  
; TITLE OF INVENTION: TREATMENT OF DISEASES  
; TITLE OF INVENTION: ASSOCIATED WITH  
; TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR  
; TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION  
; NUMBER OF SEQUENCES: 1379  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSeq Version 1.5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/758,306  
; FILING DATE: December 3, 1996  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 212/132  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510

## ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 212/132  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510

## INFORMATION FOR SEQ ID NO: 365:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 17 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-758-306-365

Query Match 100.0%; Score 9; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
||| |||||

Db 17 GAGTATGAG 9

## RESULT 9

US-08-758-306-367/c  
; Sequence 367, Application US/08758306  
; Patent No. 5807743

## GENERAL INFORMATION:

; APPLICANT: Stinchcomb, Dan T.  
; APPLICANT: McSwiggen, James A.  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE  
; TITLE OF INVENTION: TREATMENT OF DISEASES  
; TITLE OF INVENTION: ASSOCIATED WITH  
; TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR  
; TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION  
; NUMBER OF SEQUENCES: 1379  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSeq Version 1.5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/758,306  
; FILING DATE: December 3, 1996  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 212/132  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510

## INFORMATION FOR SEQ ID NO: 367:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 17 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-758-306-367

Query Match 100.0%; Score 9; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
||| |||||

Db 15 GAGTATGAG 7

## RESULT 10

US-08-758-306-369/c  
; Sequence 369, Application US/08758306  
; Patent No. 5807743

## GENERAL INFORMATION:

APPLICANT: Stinchcomb, Dan T.  
APPLICANT: McSwiggen, James A.  
TITLE OF INVENTION: METHOD AND REAGENT FOR THE  
TREATMENT OF DISEASES  
TITLE OF INVENTION: ASSOCIATED WITH  
INTERLEUKIN-2 RECEPTOR  
TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION

NUMBER OF SEQUENCES: 1379

## CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
CITY: Suite 4700  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FastSeq Version 1.5

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/758,306  
FILING DATE: December 3, 1996  
CLASSIFICATION: 514

## PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER:

## FILING DATE:

## ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 212/132  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 369:

## SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

US-08-758-306-369

Query Match 100.0%; Score 9; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9

Db 12 GAGTATGAG 4

## RESULT 11

US-08-758-306-371/c  
; Sequence 371, Application US/08758306  
; Patent No. 5807743

## GENERAL INFORMATION:

APPLICANT: Stinchcomb, Dan T.  
APPLICANT: McSwiggen, James A.  
TITLE OF INVENTION: METHOD AND REAGENT FOR THE  
TREATMENT OF DISEASES  
TITLE OF INVENTION: ASSOCIATED WITH  
INTERLEUKIN-2 RECEPTOR

; TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION  
; NUMBER OF SEQUENCES: 1379

## CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
CITY: Suite 4700  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FastSeq Version 1.5

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/758,306  
FILING DATE: December 3, 1996  
CLASSIFICATION: 514

## PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER:

## FILING DATE:

## ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 212/132  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510

## INFORMATION FOR SEQ ID NO: 371:

## SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

US-08-758-306-371

Query Match 100.0%; Score 9; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9

Db 9 GAGTATGAG 1

## RESULT 12

US-09-866-108A-2750  
; Sequence 2750, Application US/09866108A  
; Patent No. 6686188

## GENERAL INFORMATION:

APPLICANT: GU, Yizhong  
APPLICANT: JI, Yonggang  
APPLICANT: PENN, Sharron G.  
APPLICANT: HANZEL, David K.  
APPLICANT: RANK, David R.  
APPLICANT: CHEN, Wensheng  
APPLICANT: SHANNON, Mark

; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

## FILE REFERENCE: AEMICA-7

CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2750
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2750

Query Match      100.0%; Score 9; DB 4; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.6e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 9 GAGTATGAG 17

RESULT 13
US-09-866-108A-2751
; Sequence 2751, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2751
; LENGTH: 17
; TYPE: DNA
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; ORGANISM: Homo sapiens
US-09-866-108A-2751

Query Match      100.0%; Score 9; DB 4; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.6e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 8 GAGTATGAG 16

RESULT 14
US-09-866-108A-2752
; Sequence 2752, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2752
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2752

Query Match      100.0%; Score 9; DB 4; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.6e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 7 GAGTATGAG 15

RESULT 15
US-09-866-108A-2753
; Sequence 2753, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
```

```
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2753
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2753

Query Match 100.0%; Score 9; DB 4; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.6e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 6 GAGTATGAG 14

RESULT 16
US-09-866-108A-2754
; Sequence 2754, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2753
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2753

Query Match 100.0%; Score 9; DB 4; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.6e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 6 GAGTATGAG 14

RESULT 16
US-09-866-108A-2754
; Sequence 2754, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2753
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2753
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; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2754
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2754

Query Match 100.0%; Score 9; DB 4; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.6e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 5 GAGTATGAG 13

RESULT 17
US-09-866-108A-2755
; Sequence 2755, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2755
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2755
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; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108A-2755

Query Match 100.0%; Score 9; DB 4; Length 17;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 4 GAGTATGAG 12

## RESULT 18

US-09-866-108A-2756  
; Sequence 2756, Application US/09866108A  
; Patent No. 6686188

## ; GENERAL INFORMATION:

; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark

; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

; FILE REFERENCE: AEOMICA-7

; CURRENT APPLICATION NUMBER: US/09/866,108A

; CURRENT FILING DATE: 2001-05-25

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/006666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006663

; PRIOR FILING DATE: 2001-01-30

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 15755

; SOFTWARE: Aecomica Sequence Listing Engine

; Patent No. 6686188

; SEQ ID NO 2756

; LENGTH: 17

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-866-108A-2756

Query Match 100.0%; Score 9; DB 4; Length 17;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 3 GAGTATGAG 11

## RESULT 19

US-09-866-108A-2757  
; Sequence 2757, Application US/09866108A  
; Patent No. 6686188

## ; GENERAL INFORMATION:

; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108A  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/006666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/006667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/006664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/006669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/006665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/006668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/006663  
; PRIOR FILING DATE: 2001-01-30  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 15755  
; SOFTWARE: Aecomica Sequence Listing Engine  
; Patent No. 6686188  
; SEQ ID NO 2757  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108A-2757

Query Match 100.0%; Score 9; DB 4; Length 17;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 2 GAGTATGAG 10

RESULT 20  
US-09-866-108A-2758  
; Sequence 2758, Application US/09866108A  
; Patent No. 6686188  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108A  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/006666



; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 15755  
; SOFTWARE: Acomica Sequence Listing Engine  
; Patent No. 6686188  
; SEQ ID NO 2758  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108A-2758

Query Match 100.0%; Score 9; DB 4; Length 17;  
Best Local Similarity 100.0%; Pred. No. 5.6e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9  
Db 1 GAGTATGAG 9

## RESULT 21

US-09-287-796-101  
; Sequence 101, Application US/09287796A  
; Patent No. 6133246

; GENERAL INFORMATION:  
; APPLICANT: McKay, Robert A.  
; APPLICANT: Dean, Nicholas M.  
; APPLICANT: Monia, Brett  
; APPLICANT: Nero, Pam  
; APPLICANT: Gaarde, William A.  
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS  
; FILE REFERENCE: ISPH-0350  
; CURRENT APPLICATION NUMBER: US/09/287,796A  
; CURRENT FILING DATE: 1999-04-07  
; EARLIER FILING DATE: 09/130,616  
; EARLIER FILING DATE: 1998-08-07  
; EARLIER APPLICATION NUMBER: 08/910,629  
; EARLIER FILING DATE: 1997-08-03  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 101  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Sequence  
US-09-287-796-101

Query Match 100.0%; Score 9; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 5.7e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9  
Db 9 GAGTATGAG 17

## RESULT 22

US-09-287-796-102  
; Sequence 102, Application US/09287796A  
; Patent No. 6133246

; GENERAL INFORMATION:  
; APPLICANT: McKay, Robert A.  
; APPLICANT: Dean, Nicholas M.  
; APPLICANT: Monia, Brett  
; APPLICANT: Nero, Pam  
; APPLICANT: Gaarde, William A.  
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS  
; FILE REFERENCE: ISPH-0350  
; CURRENT APPLICATION NUMBER: US/09/287,796A  
; CURRENT FILING DATE: 1999-04-07  
; EARLIER FILING DATE: 09/130,616  
; EARLIER FILING DATE: 1998-08-07  
; EARLIER APPLICATION NUMBER: 08/910,629  
; EARLIER FILING DATE: 1997-08-03  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 102  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Sequence  
US-09-287-796-102

Query Match 100.0%; Score 9; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 5.7e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9  
Db 9 GAGTATGAG 17

## RESULT 23

US-09-130-616-101

; Sequence 101, Application US/09130616C  
; Patent No. 6221850  
; GENERAL INFORMATION:  
; APPLICANT: McKay, Robert A.  
; APPLICANT: Dean, Nicholas M.  
; APPLICANT: Monia, Brett  
; APPLICANT: Nero, Pam  
; APPLICANT: Gaarde, William A.  
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS  
; FILE REFERENCE: ISPH-0318  
; CURRENT APPLICATION NUMBER: US/09/130,616C  
; CURRENT FILING DATE: 1998-08-07  
; EARLIER FILING DATE: 08/910,629  
; EARLIER FILING DATE: 1997-08-03  
; NUMBER OF SEQ ID NOS: 178  
; SEQ ID NO 101  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic sequence  
US-09-130-616-101

Query Match 100.0%; Score 9; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 5.7e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9  
Db 9 GAGTATGAG 17

## RESULT 24

US-09-130-616-102  
; Sequence 102, Application US/09130616C  
; Patent No. 6221850  
; GENERAL INFORMATION:

```
; APPLICANT: McKay, Robert A.
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Monia, Brett
; APPLICANT: Nero, Pam
; APPLICANT: Gaarde, William A.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS
; TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
; FILE REFERENCE: ISPH-0318
; CURRENT APPLICATION NUMBER: US/09/130,616C
; CURRENT FILING DATE: 1998-08-07
; EARLIER APPLICATION NUMBER: 08/910,629
; EARLIER FILING DATE: 1997-08-03
; NUMBER OF SEQ ID NOS: 178
; SEQ ID NO 102
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic sequence
US-09-130-616-102

Query Match          100.0%; Score 9; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.7e+03; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 9 GAGTATGAG 17

RESULT 25
US-09-105-058C-15
; Sequence 15, Application US/09105058C
; Patent No. 6403360
; GENERAL INFORMATION:
; APPLICANT: Blonar, Michael A.
; APPLICANT: Dworetzky, Steven
; APPLICANT: Gribkoff, Valentin K.
; APPLICANT: Levesque, Paul C.
; APPLICANT: Little, Wayne A.
; APPLICANT: Neubauer, Michael G.
; APPLICANT: Yang, Wen-Pin
; TITLE OF INVENTION: KCNQ POTASSIUM CHANNELS AND METHODS OF MODULATING SAME
; FILE REFERENCE: 3053-4052
; CURRENT APPLICATION NUMBER: US/09/105,058C
; CURRENT FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: US 60/055,599
; PRIOR FILING DATE: 1997-08-12
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Forward primer
; OTHER INFORMATION: from EST sequence similar to the KvLQT gene
US-09-105-058C-15

Query Match          100.0%; Score 9; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.7e+03; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 1 GAGTATGAG 9

RESULT 26
US-09-851-062-29/c
; Sequence 29, Application US/09851062
; Patent No. 6448081
; GENERAL INFORMATION:
```

```
; APPLICANT: Brenda F. Baker
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF INTERLEUKIN 12 P40 SUBUNIT EXPRESSION
; FILE REFERENCE: RTS-0247
; CURRENT APPLICATION NUMBER: US/09/851,062
; CURRENT FILING DATE: 2001-05-07
; SEQ ID NO 29
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-851-062-29

Query Match          100.0%; Score 9; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.7e+03; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 19 GAGTATGAG 11

RESULT 27
US-09-517-467B-84/c
; Sequence 84, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
; APPLICANT: Ian Popoff
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
; FILE REFERENCE: RTS-0150
; CURRENT APPLICATION NUMBER: US/09/517,467B
; CURRENT FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 09/517,467
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 84
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-467B-84

Query Match          100.0%; Score 9; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.7e+03; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 11 GAGTATGAG 3

RESULT 28
US-09-422-978-6551/c
; Sequence 6551, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
```

; NUMBER OF SEQ ID NOS: 11796  
; SEQ ID NO 6551  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: primer\_bind  
; LOCATION: 1..20  
; OTHER INFORMATION: upstream amplification primer 99-12268 for SEQ 2617,  
US-09-422-978-6551

Query Match 100.0%; Score 9; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 5.7e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 9 GAGTATGAG 1  
|||||

## RESULT 29

US-09-774-809-101  
; Sequence 101, Application US/09774809  
; Patent No. 6809193

## ; GENERAL INFORMATION:

; APPLICANT: McKay, Robert A.  
; APPLICANT: Dean, Nicholas M.  
; APPLICANT: Monia, Brett  
; APPLICANT: Nero, Pam  
; APPLICANT: Gaarde, William A.

; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS  
; FILE REFERENCE: ISPH-0412

; CURRENT APPLICATION NUMBER: US/09/774,809  
; CURRENT FILING DATE: 2001-01-31

; PRIOR APPLICATION NUMBER: 09/396,902

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: 09/130,616

; PRIOR FILING DATE: 1998-08-07

; PRIOR APPLICATION NUMBER: 08/910,629

; PRIOR FILING DATE: 1997-08-03

; NUMBER OF SEQ ID NOS: 165

; SEQ ID NO 101

; LENGTH: 20

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic Sequence

US-09-774-809-101

Query Match 100.0%; Score 9; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 5.7e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 9 GAGTATGAG 17  
|||||

## RESULT 30

US-09-774-809-102

; Sequence 102, Application US/09774809

; Patent No. 6809193

## ; GENERAL INFORMATION:

; APPLICANT: McKay, Robert A.

; APPLICANT: Dean, Nicholas M.

; APPLICANT: Monia, Brett

; APPLICANT: Nero, Pam

; APPLICANT: Gaarde, William A.

; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS

; FILE REFERENCE: ISPH-0412

; CURRENT APPLICATION NUMBER: US/09/774,809

US-09-774-809-101

; CURRENT FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 09/396,902  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: 09/130,616  
; PRIOR FILING DATE: 1998-08-07  
; PRIOR APPLICATION NUMBER: 08/910,629  
; PRIOR FILING DATE: 1997-08-03  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 102  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Sequence  
US-09-774-809-102

Query Match 100.0%; Score 9; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 5.7e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 9 GAGTATGAG 17  
|||||

## RESULT 31

US-09-422-978-8965

; Sequence 8965, Application US/09422978

; Patent No. 6537751

## ; GENERAL INFORMATION:

; APPLICANT: Cohen, Daniel

; APPLICANT: Blumenfeld, Marta

; APPLICANT: Chumakov, Ilya

; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

; FILE REFERENCE: GENSET.020CPI

; CURRENT APPLICATION NUMBER: US/09/422,978

; CURRENT FILING DATE: 1999-10-20

; EARLIER APPLICATION NUMBER: US 09/298,850

; EARLIER FILING DATE: 1999-04-21

; EARLIER APPLICATION NUMBER: US 60/109,732

; EARLIER FILING DATE: 1998-11-23

; EARLIER APPLICATION NUMBER: US 60/082,614

; EARLIER FILING DATE: 1998-04-21

; NUMBER OF SEQ ID NOS: 11796

; SEQ ID NO 8965

; LENGTH: 21

; TYPE: DNA

; ORGANISM: Homo Sapiens

; FEATURE:

; NAME/KEY: primer\_bind

; LOCATION: 1..21

; OTHER INFORMATION: downstream amplification primer 99-2048 for SEQ 1100, in complemer

US-09-422-978-8965

Query Match 100.0%; Score 9; DB 4; Length 21;  
Best Local Similarity 100.0%; Pred. No. 5.7e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9  
Db 6 GAGTATGAG 14  
|||||

## RESULT 32

5455029-26

; Patent No. 5455029

; APPLICANT: HARTMAN, JACOB R.; OPPENHEIM, AMOS B.; GORECKI,

; MARIAN; AVIV, HAIM; OREN, RACHEL

; TITLE OF INVENTION: THERAPEUTIC COMPOSITIONS COMPRISING

; A MIXTURE OF HUMAN CUZIN SUPEROXIDE DISMUTASE ANALOGS

; NUMBER OF SEQUENCES: 30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/933,500

```
; FILING DATE: 21-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 449,125
; FILING DATE: 08-DEC-1989
; APPLICATION NUMBER: 202,238
; FILING DATE: 03JUN-1988
; APPLICATION NUMBER: 897,056
; FILING DATE: 14-AUG-1985
; APPLICATION NUMBER: 767,143
; FILING DATE: 19-AUG-1985
; APPLICATION NUMBER: 644,245
; FILING DATE: 27-AUG-1984
; SEQ ID NO:26:
; LENGTH: 21
5455029-26

Query Match          100.0%; Score 9; DB 6; Length 21;
Best Local Similarity 100.0%; Pred. No. 5.7e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 6 GAGTATGAG 14

RESULT 33
5455029-26
; PATENT NO. 5455029
; APPLICANT: HARTMAN, JACOB R.; OPPENHEIM, AMOS B.; GORECKI,
; MARIAN; AVIV, HAIM; OREN, RACHEL
; TITLE OF INVENTION: THERAPEUTIC COMPOSITIONS COMPRISING
; A MIXTURE OF HUMAN CUZIN SUPEROXIDE DISMUTASE ANALOGS
; NUMBER OF SEQUENCES: 30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/933,500
; FILING DATE: 21-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 449,125
; FILING DATE: 08-DEC-1989
; APPLICATION NUMBER: 202,238
; FILING DATE: 03JUN-1988
; APPLICATION NUMBER: 897,056
; FILING DATE: 14-AUG-1985
; APPLICATION NUMBER: 767,143
; FILING DATE: 19-AUG-1985
; APPLICATION NUMBER: 644,245
; FILING DATE: 27-AUG-1984
; SEQ ID NO:26:
; LENGTH: 21
5455029-26

Query Match          100.0%; Score 9; DB 6; Length 21;
Best Local Similarity 100.0%; Pred. No. 5.7e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
Db 6 GAGTATGAG 14

RESULT 34
US-09-088-274-8/c
; Sequence 8, Application US/09088274A
; Patent No. 6433248
; GENERAL INFORMATION:
; APPLICANT: Lommel, Steven A.
; APPLICANT: Sit, Timmy L.
; TITLE OF INVENTION: Trans-Activation of Transcription from Viral RNA
; FILE REFERENCE: trans activation of transcription
; CURRENT APPLICATION NUMBER: US/09/088,274A
; CURRENT FILING DATE: 1998-06-01
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 8
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PRIMER
US-09-088-274-8

Query Match          100.0%; Score 9; DB 3; Length 23;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATCAG 9
Db 23 GAGTATCAG 15

RESULT 35
US-09-245-248B-23
; Sequence 23, Application US/09245248B
; Patent No. 6395472
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Leary, Thomas
; APPLICANT: Erker, James
; APPLICANT: Chalmers, Michelle
; APPLICANT: Simons, John
; APPLICANT: Birkenmeyer, Larry
; APPLICANT: Muerhoff, Scott
; APPLICANT: Pilot-Matias, Tami
; APPLICANT: Desai, Suresh
; APPLICANT: Mushahwar, Isa
; TITLE OF INVENTION: METHODS OF UTILIZING THE TT VIRUS
; FILE REFERENCE: 6461.US.O1
; CURRENT APPLICATION NUMBER: US/09/245,248B
; CURRENT FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: (0)...(0)
; OTHER INFORMATION: DFGH1-S1 primer
US-09-245-248B-23

Query Match          100.0%; Score 9; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATCAG 9
Db 11 GAGTATCAG 19

RESULT 36
US-09-866-108A-5679
; Sequence 5679, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
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; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 15755  
; SOFTWARE: Acomica Sequence Listing Engine  
; Patent No. 6686188  
; SEQ ID NO 5679  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108A-5679

Query Match 100.0%; Score 9; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 5.8e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GAGTATGAG 9  
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Db 17 GAGTATGAG 25

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; Patent No. 6686188  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: ACOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108A  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 15755  
; SOFTWARE: Acomica Sequence Listing Engine  
; Patent No. 6686188  
; SEQ ID NO 5681  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108A-5681

; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 15755  
; SOFTWARE: Acomica Sequence Listing Engine  
; Patent No. 6686188  
; SEQ ID NO 5680  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108A-5680

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Best Local Similarity 100.0%; Pred. No. 5.8e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GAGTATGAG 9  
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Db 16 GAGTATGAG 24

RESULT 38  
US-09-866-108A-5681  
; Sequence 5681, Application US/09866108A  
; Patent No. 6686188  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: ACOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108A  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 15755  
; SOFTWARE: Acomica Sequence Listing Engine  
; Patent No. 6686188  
; SEQ ID NO 5681  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108A-5681

Query Match 100.0%; Score 9; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 5.8e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GAGTATGAG 9  
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Db          15 GAGTATGAG 23

RESULT 39
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; Sequence 5682, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
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; PRIOR FILING DATE: 2001-01-30
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
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; PRIOR APPLICATION NUMBER: PCT/US01/00663
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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 5682
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-5682

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; Sequence 5683, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 5682
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-5682

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          1 GAGTATGAG 9
Db          14 GAGTATGAG 22

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

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222.117 Million cell updates/sec

Title: US-09-540-843-4

Perfect score: 5

Sequence: 1 gtagg 5

Scoring table: IDENTITY\_NUC

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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; GENERAL INFORMATION: Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; APPLICANT: Gilchrest, Barbara A.
; APPLICANT: Yaar, Mark S.
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; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 0054.1088-018
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; CURRENT APPLICATION NUMBER: US/10/122,630
; CURRENT FILING DATE: 2002-04-12
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; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 4
; LENGTH: 5
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
```

```
US-10-122-630-4
```

```
Query Match 100.0%; Score 5; DB 14; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.2e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GTATG 5
Db 1 GTATG 5
```

```
RESULT 2
US-10-122-630-6/c
```

```
; Sequence 6, Application US/10122630
; Publication No. US20030032610A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Gilchrest, Barbara A.
```

```
; APPLICANT: Eller, Mark S.
```

```
; APPLICANT: Yaar, Mina
```

```
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
```

```
; FILE REFERENCE: 0054.1088-018
```

```
; CURRENT APPLICATION NUMBER: US/10/122,630
```

```
; CURRENT FILING DATE: 2002-04-12
```

```
; PRIOR FILING DATE: 1995-06-06
```

```
; PRIOR FILING DATE: 1996-06-03
```

```
; PRIOR FILING DATE: 1998-03-26
```

```
; PRIOR FILING DATE: 1998-03-26
```

```
; PRIOR FILING DATE: 2000-03-31
```

```
; PRIOR FILING DATE: 2000-03-31
```

```
; PRIOR FILING DATE: 2001-03-30
```

```
; NUMBER OF SEQ ID NOS: 15
```

```
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 6
```

```
; LENGTH: 5
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Synthetic DNA Fragment
```

```
US-10-122-630-6
```

```
Query Match 100.0%; Score 5; DB 14; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.2e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GTATG 5
Db 5 GTATG 1
```

```
RESULT 3
US-10-122-633-4
```

```
; Sequence 4, Application US/10122633
```

```
; Publication No. US20030032611A1
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Gilchrest, Barbara A.
```

```
; APPLICANT: Eller, Mark S.
```

```
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
```

```
; FILE REFERENCE: 0054.1088-019
```

```
; CURRENT APPLICATION NUMBER: US/10/122,633
```

```
; CURRENT FILING DATE: 2002-04-12
```

```
; PRIOR FILING DATE: 2000-03-31
```

```
; PRIOR FILING DATE: 2000-03-31
```

```
; PRIOR FILING DATE: 2001-03-30
```

```
; NUMBER OF SEQ ID NOS: 15
```

```
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 4
```

```
; LENGTH: 5
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Synthetic DNA Fragment
```

```
US-10-122-633-4
```

```
Query Match 100.0%; Score 5; DB 14; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.2e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GTATG 5
Db 1 GTATG 5
```

```
RESULT 4
```



```
US-10-122-633-6/c
; Sequence 6, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrest, Barbara A.
; APPLICANT: Yaar, Mark S.
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/122,633
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 5
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-6
Query Match 100.0%; Score 5; DB 14; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.2e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
DB 5 GTATG 1

RESULT 5
US-10-122-632-178029/c
; Sequence 178029, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178043
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-178043
Query Match 100.0%; Score 5; DB 13; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
DB 5 GTATG 1

RESULT 6
US-10-027-632-178043/c
; Sequence 178043, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178043
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-178043
Query Match 100.0%; Score 5; DB 13; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
DB 5 GTATG 1

RESULT 7
US-10-122-630-3
; Sequence 3, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrest, Barbara A.
; APPLICANT: Yaar, Mark S.
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 0054.1088-018
; CURRENT APPLICATION NUMBER: US/10/122,630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 7
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-3

Query Match      100.0%; Score 5; DB 14; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTATG 5
Db      2 GTATG 6

RESULT 8
US-10-122-630-7
; Sequence 7, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Yaar, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-018
; CURRENT APPLICATION NUMBER: US/10/122,630
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-7

Query Match      100.0%; Score 5; DB 14; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTATG 5
Db      2 GTATG 6

RESULT 9
US-10-122-633-3
; Sequence 3, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Yaar, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-019
; CURRENT APPLICATION NUMBER: US/10/122,633
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
```

```
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-3

Query Match      100.0%; Score 5; DB 14; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTATG 5
Db      2 GTATG 6

RESULT 10
US-10-122-633-7
; Sequence 7, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Yaar, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-019
; CURRENT APPLICATION NUMBER: US/10/122,633
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-7

Query Match      100.0%; Score 5; DB 14; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTATG 5
Db      2 GTATG 6

RESULT 11
US-10-027-632-178029/c
; Sequence 178029, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
```

```
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178029
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-178029

Query Match      100.0%; Score 5; DB 17; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 5 GTATG 1

RESULT 12
US-10-027-632-178043/c
; Sequence 178043, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178043
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-178043

Query Match      100.0%; Score 5; DB 17; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 5 GTATG 1

RESULT 13
US-10-780-507-13/c
; Sequence 13, Application US/10780507
; Publication No. US20050137387A1
; GENERAL INFORMATION:
; APPLICANT: MULLINS, James I.
```

```
; APPLICANT: RODRIGO, Allen G.
; APPLICANT: LEARN, Gerald H.
; APPLICANT: LI, Fusheng
; APPLICANT: NICKLE, David C.
; APPLICANT: JENSEN, Mark A.
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
; FILE REFERENCE: 16336-001320US
; CURRENT APPLICATION NUMBER: US/10/780,507
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 10/204,204
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US01/05288
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/183,659
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: US 60/447,586
; PRIOR FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
; OTHER INFORMATION: ed ancestral node.
US-10-780-507-13

Query Match      100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 5 GTATG 1

RESULT 14
US-10-780-507-14/c
; Sequence 14, Application US/10780507
; Publication No. US20050137387A1
; GENERAL INFORMATION:
; APPLICANT: MULLINS, James I.
; APPLICANT: RODRIGO, Allen G.
; APPLICANT: LEARN, Gerald H.
; APPLICANT: LI, Fusheng
; APPLICANT: NICKLE, David C.
; APPLICANT: JENSEN, Mark A.
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
; FILE REFERENCE: 16336-001320US
; CURRENT APPLICATION NUMBER: US/10/780,507
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 10/204,204
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US01/05288
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/183,659
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: US 60/447,586
; PRIOR FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
; OTHER INFORMATION: ed ancestral node.
US-10-780-507-14

Query Match      100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
```

```
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
   |||||
Db 5 GTATG 1

RESULT 15
US-10-780-507-15/c
; Sequence 15, Application US/10780507
; Publication No. US2005013787A1
; GENERAL INFORMATION:
; APPLICANT: MULLINS, James I.
; APPLICANT: RODRIGO, Allen G.
; APPLICANT: LEARN, Gerald H.
; APPLICANT: LI, Fusheng
; APPLICANT: NICKLE, David C.
; APPLICANT: JENSEN, Mark A.
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
; FILE REFERENCE: 16336-001320US
; CURRENT APPLICATION NUMBER: US/10/780,507
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 10/204,204
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US01/05288
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/183,659
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: US 60/447,586
; PRIOR FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
US-10-780-507-15

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
   |||||
Db 5 GTATG 1

RESULT 16
US-10-780-507-17/c
; Sequence 17, Application US/10780507
; Publication No. US2005013787A1
; GENERAL INFORMATION:
; APPLICANT: MULLINS, James I.
; APPLICANT: RODRIGO, Allen G.
; APPLICANT: LEARN, Gerald H.
; APPLICANT: LI, Fusheng
; APPLICANT: NICKLE, David C.
; APPLICANT: JENSEN, Mark A.
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
; FILE REFERENCE: 16336-001320US
; CURRENT APPLICATION NUMBER: US/10/780,507
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 10/204,204
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US01/05288
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/183,659
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: US 60/447,586
; PRIOR FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
US-10-780-507-17

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
   |||||
Db 5 GTATG 1

RESULT 17
US-10-780-507-19/c
; Sequence 19, Application US/10780507
; Publication No. US2005013787A1
; GENERAL INFORMATION:
; APPLICANT: MULLINS, James I.
; APPLICANT: RODRIGO, Allen G.
; APPLICANT: LEARN, Gerald H.
; APPLICANT: LI, Fusheng
; APPLICANT: NICKLE, David C.
; APPLICANT: JENSEN, Mark A.
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
; FILE REFERENCE: 16336-001320US
; CURRENT APPLICATION NUMBER: US/10/780,507
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 10/204,204
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US01/05288
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/183,659
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: US 60/447,586
; PRIOR FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
US-10-780-507-19

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
   |||||
Db 5 GTATG 1

RESULT 18
US-09-142-593-11/c
; Sequence 11, Application US/09142593
; Patent No. US20020016975A1
; GENERAL INFORMATION:
; APPLICANT: HACKETT ET AL.
```

```
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, most parsimonious reconstruction of determine
; OTHER INFORMATION: d ancestral node.
; NAME/KEY: variation
; LOCATION: (7)..(7)
; OTHER INFORMATION: V can also be an A, C or G
US-10-780-507-17

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
   |||||
Db 5 GTATG 1

RESULT 17
US-10-780-507-19/c
; Sequence 19, Application US/10780507
; Publication No. US2005013787A1
; GENERAL INFORMATION:
; APPLICANT: MULLINS, James I.
; APPLICANT: RODRIGO, Allen G.
; APPLICANT: LEARN, Gerald H.
; APPLICANT: LI, Fusheng
; APPLICANT: NICKLE, David C.
; APPLICANT: JENSEN, Mark A.
; TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
; FILE REFERENCE: 16336-001320US
; CURRENT APPLICATION NUMBER: US/10/780,507
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 10/204,204
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US01/05288
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/183,659
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: US 60/447,586
; PRIOR FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
US-10-780-507-19

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 8.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
   |||||
Db 5 GTATG 1

RESULT 18
US-09-142-593-11/c
; Sequence 11, Application US/09142593
; Patent No. US20020016975A1
; GENERAL INFORMATION:
; APPLICANT: HACKETT ET AL.
```

```
/ TITLE OF INVENTION: DNA-BASED TRANSPOSON SYSTEM FOR THE
/ TITLE OF INVENTION: INTRODUCTION OF NUCLEIC ACID INTO DNA OF A CELL
/ NUMBER OF SEQUENCES: 63
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A.
/ STREET: 119 NORTH FOURTH STREET, SUITE 203
/ CITY: MINNEAPOLIS
/ STATE: MINNESOTA
/ COUNTRY: USA
/ ZIP: 55402
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/142,593
/ FILING DATE: 10-SEP-1998
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/040,664
/ FILING DATE: 11-MAR-1997
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/053,868
/ FILING DATE: 28-JUL-1997
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/065,303
/ FILING DATE: 13-NOV-1997
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US98/04687
/ FILING DATE: 11-MAR-1998
/ ATTORNEY/AGENT INFORMATION:
/ NAME: SANDBERG, VICTORIA A.
/ REGISTRATION NUMBER: 41,287
/ REFERENCE/DOCKET NUMBER: 110.00450101
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 612-305-1226
/ TELEFAX: 612-305-1228
/ INFORMATION FOR SEQ ID NO: 11:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 8 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ US-09-142-593-11

Query Match 100.0%; Score 5; DB 9; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 6 GTATG 2

RESULT 19
US-09-927-886-17/c
; Sequence 17, Application US/09927886
; Patent No. US20020103152A1
; GENERAL INFORMATION:
; APPLICANT: Kay, Mark A.
; TITLE OF INVENTION: Methods of In Vivo Gene Transfer Using a
; TITLE OF INVENTION: Sleeping Beauty Transposon System
; FILE REFERENCE: STAN-160CIP
; CURRENT APPLICATION NUMBER: US/09/927,886
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/162,279
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 09/440,301
; PRIOR FILING DATE: 1999-11-17
; NUMBER OF SEQ ID NOS: 19

/ SOFTWARE: PastSEQ for Windows Version 4.0
/ SEQ ID NO 17
/ LENGTH: 8
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: transposon repeat sequence
US-09-927-886-17

Query Match 100.0%; Score 5; DB 9; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 6 GTATG 2

RESULT 20
US-09-861-014-6/c
; Sequence 6, Application US/09861014
; Patent No. US20020115216A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Clifford
; APPLICANT: Kren, Betsy
; APPLICANT: Linehan-Stieers, Cheryle
; APPLICANT: McIvor, R.
; APPLICANT: Hackett, Perry
; TITLE OF INVENTION: Composition for Delivery of Compounds to Cells
; FILE REFERENCE: 110.01330101
; CURRENT APPLICATION NUMBER: US/09/861,014
; CURRENT FILING DATE: 2001-05-19
; PRIOR APPLICATION NUMBER: US 60/206,002
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/285,121
; PRIOR FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 8
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Direct repeat sequence
US-09-861-014-6

Query Match 100.0%; Score 5; DB 9; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.6e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 6 GTATG 2

RESULT 21
US-10-263-159-11/c
; Sequence 11, Application US/10263159
; Publication No. US20030124668A1
; GENERAL INFORMATION:
; APPLICANT: HACKETT ET AL.
; TITLE OF INVENTION: DNA-BASED TRANSPOSON SYSTEM FOR THE
; INTRODUCTION OF NUCLEIC ACID INTO DNA OF A CELL
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A.
; STREET: 119 NORTH FOURTH STREET, SUITE 203
; CITY: MINNEAPOLIS
; STATE: MINNESOTA
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
```

; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/263,159  
; FILING DATE: 02-Oct-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/142,593  
; FILING DATE: 10-SEP-1998  
; APPLICATION NUMBER: 60/040,664  
; FILING DATE: 11-MAR-1997  
; APPLICATION NUMBER: 60/053,868  
; FILING DATE: 28-JUL-1997  
; APPLICATION NUMBER: 60/065,303  
; FILING DATE: 13-NOV-1997  
; APPLICATION NUMBER: PCT/US98/04687  
; FILING DATE: 11-MAR-1998  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SANDBERG, VICTORIA A.  
; REGISTRATION NUMBER: 41,287  
; REFERENCE/DOCKET NUMBER: 110.00450101  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 612-305-1226  
; TELEFAX: 612-305-1228  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-10-263-159-11

Query Match 100.0%; Score 5; DB 15; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5  
|||||  
Db 6 GTATG 2

RESULT 22  
US-10-128-560-224  
; Sequence 224, Application US/10128560  
; Publication No. US20030134272A1  
; GENERAL INFORMATION:  
; APPLICANT: Universiteit Gent  
; TITLE OF INVENTION: Improved mutation analysis of the NF1 Gene  
; FILE REFERENCE: UG-005-PCT  
; CURRENT APPLICATION NUMBER: US/10/128,560  
; CURRENT FILING DATE: 2002-04-18  
; PRIOR APPLICATION NUMBER: EP 99870216.1  
; PRIOR FILING DATE: 1999-10-18  
; PRIOR APPLICATION NUMBER: EP 00870122.9  
; PRIOR FILING DATE: 2000-06-05  
; PRIOR APPLICATION NUMBER: UG 60/211,929  
; PRIOR FILING DATE: 2000-06-16  
; NUMBER OF SEQ ID NOS: 264  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 224  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-128-560-224

Query Match 100.0%; Score 5; DB 15; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5  
|||||

Db 3 GTATG 7  
|||||

RESULT 23  
US-10-191-698-11/c  
; Sequence 11, Application US/10191698  
; Publication No. US20030154500A1  
; GENERAL INFORMATION:  
; APPLICANT: Hackett, P. B.  
; APPLICANT: Clark, Karl J.  
; APPLICANT: Ivics, Zoltan  
; APPLICANT: Izsak, Zsuzsanna  
; APPLICANT: Scott C. Fahrenkrug  
; TITLE OF INVENTION: NUCLEIC ACID TRANSFER VECTOR FOR THE INTRODUCTION OF  
; TITLE OF INVENTION: NUCLEIC ACID INTO THE DNA OF A CELL  
; FILE REFERENCE: 110.00870102  
; CURRENT APPLICATION NUMBER: US/10/191,698  
; CURRENT FILING DATE: 2002-07-09  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: A portion of a  
; OTHER INFORMATION: direct repeat sequence  
US-10-191-698-11

Query Match 100.0%; Score 5; DB 16; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5  
|||||  
Db 6 GTATG 2

RESULT 24  
US-10-314-578-1138  
; Sequence 1138, Application US/10314578  
; Publication No. US20030212026A1  
; GENERAL INFORMATION:  
; APPLICANT: Krieg, Arthur M.  
; APPLICANT: Schetter, Christian  
; APPLICANT: Vollmer, Jorg  
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids  
; FILE REFERENCE: C1039/7035 (HCL/MAT)  
; CURRENT APPLICATION NUMBER: US/10/314,578  
; CURRENT FILING DATE: 2002-12-09  
; PRIOR APPLICATION NUMBER: US 60/156,113  
; PRIOR FILING DATE: 1999-09-25  
; PRIOR APPLICATION NUMBER: US 60/156,135  
; PRIOR FILING DATE: 1999-09-27  
; PRIOR APPLICATION NUMBER: US 60/227,436  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 1145  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1138  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Sequence  
US-10-314-578-1138

Query Match 100.0%; Score 5; DB 17; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5  
|||||

Db 3 GTATG 7

RESULT 25  
US-10-332-914-5  
; Sequence 5, Application US/10332914  
; Publication No. US20040025200A1  
; GENERAL INFORMATION:  
; APPLICANT: Unicrop Ltd  
; TITLE OF INVENTION: Molecular Control of Transgene Segregation and Its  
; FILE REFERENCE: A0420PC-  
; CURRENT APPLICATION NUMBER: US/10/332,914  
; PRIOR FILING DATE: 2003-01-14  
; PRIOR APPLICATION NUMBER: US 09/617,543  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: PCT/FI01/00670  
; PRIOR FILING DATE: 2001-07-16  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 8  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: -  
; OTHER INFORMATION: 5' exon/intron boundary site  
US-10-332-914-5

Query Match 100.0%; Score 5; DB 17; Length 8;  
Best Local Similarity 60.0%; Pred. No. 7.6e+08;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
|:|:  
Db 3 GUAG 7

RESULT 26  
US-10-608-516-17/c  
; Sequence 17, Application US/10608516  
; Publication No. US20040092471A1  
; GENERAL INFORMATION:  
; APPLICANT: Kay, Mark A.  
; TITLE OF INVENTION: Methods of In Vivo Gene Transfer Using a  
; FILE REFERENCE: STAN-160CIP  
; CURRENT APPLICATION NUMBER: US/10/608,516  
; PRIOR FILING DATE: 2003-06-26  
; PRIOR APPLICATION NUMBER: US/09/927,886  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: 60/162,279  
; PRIOR FILING DATE: 1999-10-28  
; PRIOR APPLICATION NUMBER: 09/440,301  
; PRIOR FILING DATE: 1999-11-17  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: transposon repeat sequence  
US-10-608-516-17

Query Match 100.0%; Score 5; DB 18; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
|:|:  
Db 3 GUAG 7

RESULT 27  
US-10-742-740-3/c  
; Sequence 3, Application US/10742740  
; Publication No. US20040234504A1  
; GENERAL INFORMATION:  
; APPLICANT: VERMA, Inder M.  
; APPLICANT: TISCORNIA, Gustavo  
; TITLE OF INVENTION: SINGER, Oded  
; TITLE OF INVENTION: METHODS OF INHIBITING GENE EXPRESSION BY  
; FILE REFERENCE: RNA INTERFERENCE  
; CURRENT APPLICATION NUMBER: US/10/742,740  
; PRIOR FILING DATE: 2003-12-18  
; PRIOR APPLICATION NUMBER: 60/434,523  
; PRIOR FILING DATE: 2002-12-18  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-742-740-3

Query Match 100.0%; Score 5; DB 20; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
|:|:  
Db 6 GTATG 2

RESULT 28  
US-10-861-108-9/c  
; Sequence 9, Application US/10861108  
; Publication No. US20050003542A1  
; GENERAL INFORMATION:  
; APPLICANT: Kay, Mark A.  
; APPLICANT: Yant, Stephen  
; TITLE OF INVENTION: Enhanced Sleeping Beauty Transposon  
; FILE REFERENCE: STAN-307  
; CURRENT APPLICATION NUMBER: US/10/861,108  
; CURRENT FILING DATE: 2004-06-03  
; PRIOR APPLICATION NUMBER: 60/476,266  
; PRIOR FILING DATE: 2003-06-04  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 9  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: salmonid  
US-10-861-108-9

Query Match 100.0%; Score 5; DB 21; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.6e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
|:|:  
Db 6 GTATG 2

RESULT 29  
US-09-990-186-623/c  
; Sequence 623, Application US/09990186  
; Publication No. US20030068675A1  
; GENERAL INFORMATION:

; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.21 / S11-US3  
; CURRENT APPLICATION NUMBER: US/09/990,186  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 623  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-990-186-623

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 6 GTATG 2

## RESULT 30

US-09-990-186-2220  
; Sequence 2220, Application US/09990186  
; Publication No. US20030068675A1  
; GENERAL INFORMATION:  
; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.21 / S11-US3  
; CURRENT APPLICATION NUMBER: US/09/990,186  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2220  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-990-186-2220

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 4 GTATG 8

## RESULT 31

US-09-990-186-2256  
; Sequence 2256, Application US/09990186  
; Publication No. US20030068675A1  
; GENERAL INFORMATION:  
; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.21 / S11-US3  
; CURRENT APPLICATION NUMBER: US/09/990,186  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2256  
; LENGTH: 9  
; TYPE: DNA

; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-990-186-2256

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 4 GTATG 8

## RESULT 32

US-09-989-994-623/C  
; Sequence 623, Application US/09989994  
; Publication No. US20030104526A1  
; GENERAL INFORMATION:  
; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.20 / S11-US2  
; CURRENT APPLICATION NUMBER: US/09/989,994  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 623  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-989-994-623

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 6 GTATG 2

## RESULT 33

US-09-989-994-2220  
; Sequence 2220, Application US/09989994  
; Publication No. US20030104526A1  
; GENERAL INFORMATION:  
; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.20 / S11-US2  
; CURRENT APPLICATION NUMBER: US/09/989,994  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2220  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-989-994-2220

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5



Db 4 GTATG 8  
|||||

RESULT 34  
US-09-989-994-2256  
; Sequence 2256, Application US/09989994  
; Publication No. US20030104526A1  
; GENERAL INFORMATION:  
; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE OF INVENTION: TRIPLETS BY ZINC FINGERS  
; FILE REFERENCE: 8325-0011.20 / S11-US2  
; CURRENT APPLICATION NUMBER: US/09/989,994  
; CURRENT FILING DATE: 2001-11-20  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2256  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example target  
; OTHER INFORMATION: DNA  
US-09-989-994-2256

Query Match 100.0%; Score 5; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
|||||

Db 4 GTATG 8

RESULT 35  
US-10-122-630-1  
; Sequence 1, Application US/10122630  
; Publication No. US20030032610A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; FILE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-018  
; CURRENT APPLICATION NUMBER: US/10/122,630  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 08/467,012  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: PCT/US96/08386  
; PRIOR FILING DATE: 1996-06-03  
; PRIOR APPLICATION NUMBER: US 09/048,927  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-630-1

Query Match 100.0%; Score 5; DB 14; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
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Db 3 GTATG 7  
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RESULT 36  
US-10-122-633-1  
; Sequence 1, Application US/10122633  
; Publication No. US20030032611A1  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Yaar, Mark S.  
; APPLICANT: Yaar, Mina  
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using  
; FILE OF INVENTION: Oligonucleotides  
; FILE REFERENCE: 0054.1088-019  
; CURRENT APPLICATION NUMBER: US/10/122,633  
; CURRENT FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: US 09/540,843  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: PCT/US01/10162  
; PRIOR FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic DNA Fragment  
US-10-122-633-1

Query Match 100.0%; Score 5; DB 14; Length 9;  
Best Local Similarity 100.0%; Pred. No. 6.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
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Db 3 GTATG 7

RESULT 37  
US-10-096-596-32/c  
; Sequence 32, Application US/10096596  
; Publication No. US20030049653A1  
; GENERAL INFORMATION:  
; APPLICANT: Kinzler, Kenneth W  
; APPLICANT: Vogelstein, Bert  
; APPLICANT: Velculescu, Victor  
; APPLICANT: Zhang, Lin  
; TITLE OF INVENTION: METHOD FOR SERIAL ANALYSIS OF GENE EXPRESSION  
; FILE REFERENCE: 001107.00242  
; CURRENT APPLICATION NUMBER: US/10/096,596  
; CURRENT FILING DATE: 2002-03-14  
; PRIOR APPLICATION NUMBER: US 08/527,154  
; PRIOR FILING DATE: 1995-09-12  
; PRIOR APPLICATION NUMBER: US 08/544,861  
; PRIOR FILING DATE: 1995-10-18  
; PRIOR APPLICATION NUMBER: US 09/107,228  
; PRIOR FILING DATE: 1998-06-30  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 32  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-096-596-32

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Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db          7 GTATG 3

RESULT 38
US-10-378-558A-13
; Sequence 13, Application US/10378558A
; Publication No. US20040009576A1
; GENERAL INFORMATION:
; APPLICANT: Kalscheuer, Rainer
; APPLICANT: Steinbuechel, Alexander
; APPLICANT: Voelker, Toni
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODIFICATION OF LIPID BIOSYNTHESIS
; FILE REFERENCE: MONS:026052
; CURRENT APPLICATION NUMBER: US/10/378,558A
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: 60/360,774
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 31
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; SEQ ID NO 13
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; TYPE: DNA
; ORGANISM: Acinetobacter calcoaceticus
US-10-378-558A-13

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RESULT 39
US-10-427-629-3
; Sequence 3, Application US/10427629
; Publication No. US20040078834A1
; GENERAL INFORMATION:
; APPLICANT: Croce, Carlo M.
; TITLE OF INVENTION: Human Chronic Lymphocytic Leukemia Modeled In Mouse By Targeted
; FILE REFERENCE: TCU2851
; CURRENT APPLICATION NUMBER: US/10/427,629
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: 60/376,464
; PRIOR FILING DATE: 2002-04-29
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 3
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-427-629-3

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Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 40
US-08-935-377-16/c
; Sequence 16, Application US/08935377
; Publication No. US20030133917A1
; GENERAL INFORMATION:
; APPLICANT: Zauderer, Maurice
; TITLE OF INVENTION: T Cells Specific for Target Antigens and
; TITLE OF INVENTION: Vaccines Based Thereon
; NUMBER OF SEQUENCES: 37
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; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C
; STREET: 1100 New York Avenue, N.W., Suite 600
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,377
; FILING DATE: 22-SEP-1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1821.0010000/EKS/CMB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-08-935-377-16

Query Match          100.0%; Score 5; DB 8; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db          |||||
           10 GTATG 6

Search completed: July 13, 2005, 04:11:17
Job time : 143.329 secs
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GenCore version 5.1.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 18:12:19 ; Search time 310.924 Seconds

(without alignments)  
222.117 Million cell updates/sec

Title: US-09-540-843-5

Perfect score: 11

Sequence: 1 gtagggtag 11

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 6330945 seqs, 3139162390 residues

Total number of hits satisfying chosen parameters: 7146590

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

Published Applications NA:\*

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- 20: /cgn2\_6/ptodata/2/pubpna/US10H\_PUBCOMB.seq:\*
- 21: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq:\*
- 22: /cgn2\_6/ptodata/2/pubpna/US10J\_NEW\_PUB.seq:\*
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- 24: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq:\*
- 25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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C 4	11	100.0	11	14	Sequence 9, Appli
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3	11	100.			



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; LENGTH: 11
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-5

Query Match      100.0%; Score 11; DB 14; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 GTTAGGGTTAG 11

RESULT 4
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; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Eller, Mark S.
; APPLICANT: Yaar, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 0054.1088-018
; CURRENT APPLICATION NUMBER: US/10/122,630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-9

Query Match      100.0%; Score 11; DB 14; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
   |||||
Db 1 GTTAGGGTTAG 11

RESULT 5
US-10-122-633-5
; Sequence 5, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Eller, Mark S.
; APPLICANT: Yaar, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 0054.1088-019
; CURRENT APPLICATION NUMBER: US/10/122,633
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US02/09138
; PRIOR FILING DATE: 2002-03-21
```

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; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-5

Query Match      100.0%; Score 11; DB 14; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
   |||||
Db 1 GTTAGGGTTAG 11

RESULT 6
US-10-122-633-9/c
; Sequence 9, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Eller, Mark S.
; APPLICANT: Yaar, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 0054.1088-019
; CURRENT APPLICATION NUMBER: US/10/122,633
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-9

Query Match      100.0%; Score 11; DB 14; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
   |||||
Db 1 GTTAGGGTTAG 11

RESULT 7
US-10-255-535-4
; Sequence 4, Application US/10255535
; Publication No. US20030138814A1
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; APPLICANT: Gryaznov, Sergei
; APPLICANT: Pongracz, Kristina
; APPLICANT: Tolman, Richard L.
; APPLICANT: Morin, Gregg B.
; TITLE OF INVENTION: Oligonucleotide Conjugates
; FILE REFERENCE: 072/002P
; CURRENT APPLICATION NUMBER: US/10/255,535
; CURRENT FILING DATE: 2002-09-25
; PRIOR APPLICATION NUMBER: PCT/US02/09138
; PRIOR FILING DATE: 2002-03-21
```

; PRIOR APPLICATION NUMBER: US 60/278,322  
; PRIOR FILING DATE: 2001-03-23  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 11  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: oligonucleotide  
US-10-255-535-4

Query Match 100.0%; Score 11; DB 15; Length 11;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
| | | | | | | | | |  
Db 1 GTTAGGGTTAG 11

RESULT 8  
US-10-255-535-14  
; Sequence 14, Application US/10255535  
; Publication No. US20030138914A1  
; GENERAL INFORMATION:  
; APPLICANT: Geron Corporation  
; APPLICANT: Gryaznov, Sergei  
; APPLICANT: Pongracz, Krisztina  
; APPLICANT: Tolman, Richard L.  
; APPLICANT: Morin, Gregg B.  
; TITLE OF INVENTION: Oligonucleotide Conjugates  
; FILE REFERENCE: 072/002P  
; CURRENT APPLICATION NUMBER: US/10/255,535  
; CURRENT FILING DATE: 2002-03-25  
; PRIOR APPLICATION NUMBER: PC/US02/09138  
; PRIOR FILING DATE: 2002-03-21  
; PRIOR APPLICATION NUMBER: US 60/278,322  
; PRIOR FILING DATE: 2001-03-23  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 14  
; LENGTH: 11  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: oligonucleotide  
US-10-255-535-14

Query Match 100.0%; Score 11; DB 15; Length 11;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
| | | | | | | | | |  
Db 1 GTTAGGGTTAG 11

RESULT 9  
US-10-359-935-2/c  
; Sequence 2, Application US/10359935  
; Publication No. US20030153076A1  
; GENERAL INFORMATION:  
; APPLICANT: Villeponteau, Bryant  
; APPLICANT: Feng, Junli  
; APPLICANT: Funk, Walter  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: Mammalian Telomerase  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco

; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/359,935  
; FILING DATE: 07-Feb-2003  
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/057,351  
; FILING DATE: 08-APR-1994  
; APPLICATION NUMBER: US 08/272,102  
; FILING DATE: 07-JUL-1994  
; APPLICATION NUMBER: US 08/330,123  
; FILING DATE: 27-OCT-1994  
; APPLICATION NUMBER: US 08/472,802  
; FILING DATE: 07-JUN-1995

ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-000821US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: RNA  
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-10-359-935-2

Query Match 100.0%; Score 11; DB 16; Length 11;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
| | | | | | | | | |  
Db 11 GTTAGGGTTAG 1

RESULT 10  
US-10-463-076-1  
; Sequence 1, Application US/10463076  
; Publication No. US20030212032A1  
; GENERAL INFORMATION:  
; APPLICANT: Geron Corporation  
; APPLICANT: Gryaznov, Sergei  
; APPLICANT: Pongracz, Krisztina  
; APPLICANT: Matray, Tracey  
; TITLE OF INVENTION: Oligonucleotide N3'-->P5' Thiophosphoramidates: Their Synthesis ar  
; FILE REFERENCE: 039/004C  
; CURRENT APPLICATION NUMBER: US/10/463,076  
; CURRENT FILING DATE: 2003-06-17  
; PRIOR APPLICATION NUMBER: US 09/657,445  
; PRIOR FILING DATE: 2000-09-08  
; PRIOR APPLICATION NUMBER: US 60/153,201  
; PRIOR FILING DATE: 1999-09-10  
; PRIOR APPLICATION NUMBER: US 60/160,444  
; PRIOR FILING DATE: 1999-10-19  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 11  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:

OTHER INFORMATION: Synthetic oligonucleotide with potential inhibition activity  
US-10-463-076-1

Query Match 100.0%; Score 11; DB 17; Length 11;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||||

Db 1 GTTAGGGTTAG 11  
|||||

## RESULT 11

US-10-181-823-16  
; Sequence 16, Application US/10181823  
; Publication No. US20040126752A1  
; GENERAL INFORMATION:  
; APPLICANT: Geron Corporation  
; APPLICANT: Gryaznov, Sergei  
; APPLICANT: Schultz, Ronald G  
; TITLE OF INVENTION: 2'-Arabino-Fluoroligonucleotide N3'-->P5' Phosphoramidates: Thei  
; TITLE OF INVENTION: Synthesis and Use  
; FILE REFERENCE: 049/002  
; CURRENT APPLICATION NUMBER: US/10/181,823  
; CURRENT FILING DATE: 2003-12-29  
; PRIOR APPLICATION NUMBER: PCT/US01/01918  
; PRIOR FILING DATE: 2001-01-19  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 16  
; LENGTH: 11  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-181-823-16

Query Match 100.0%; Score 11; DB 19; Length 11;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||||

Db 1 GTTAGGGTTAG 11  
|||||

## RESULT 12

US-10-181-823-20  
; Sequence 20, Application US/10181823  
; Publication No. US20040126752A1  
; GENERAL INFORMATION:  
; APPLICANT: Geron Corporation  
; APPLICANT: Gryaznov, Sergei  
; APPLICANT: Schultz, Ronald G  
; TITLE OF INVENTION: 2'-Arabino-Fluoroligonucleotide N3'-->P5' Phosphoramidates: Thei  
; TITLE OF INVENTION: Synthesis and Use  
; FILE REFERENCE: 049/002  
; CURRENT APPLICATION NUMBER: US/10/181,823  
; CURRENT FILING DATE: 2003-12-29  
; PRIOR APPLICATION NUMBER: PCT/US01/01918  
; PRIOR FILING DATE: 2001-01-19  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 20  
; LENGTH: 11  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-181-823-20

Query Match 100.0%; Score 11; DB 19; Length 11;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||||

|||||

Db 1 GTTAGGGTTAG 11

## RESULT 13

US-10-863-999-63  
; Sequence 63, Application US/10863999  
; Publication No. US20040265885A1  
; GENERAL INFORMATION:  
; APPLICANT: UHLMANN, EUGEN  
; APPLICANT: BREIPOHL, GERHARD  
; APPLICANT: WILL, DAVID W  
; TITLE OF INVENTION: POLYAMIDE NUCLEIC ACID DERIVATIVES AND AGENTS AND  
; TITLE OF INVENTION: PROCESSES FOR PREPARING THEM  
; FILE REFERENCE: 02481.1742 SEQUENCE LISTING  
; CURRENT APPLICATION NUMBER: US/10/863,999  
; CURRENT FILING DATE: 2004-06-09  
; PRIOR APPLICATION NUMBER: US/09/835,370  
; PRIOR FILING DATE: 2001-04-17  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 63  
; LENGTH: 11  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: nucleotide  
; OTHER INFORMATION: base sequence of PNA derivatives that bind to  
; OTHER INFORMATION: viral and cellular targets  
US-10-863-999-63

Query Match 100.0%; Score 11; DB 20; Length 11;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||||

Db 1 GTTAGGGTTAG 11  
|||||

## RESULT 14

US-10-831-266-1/c  
; Sequence 1, Application US/10831266  
; Publication No. US2005003404A1  
; GENERAL INFORMATION:  
; APPLICANT: Rowley, Peter T.  
; TITLE OF INVENTION: TELOMERASE INTERFERENCE  
; FILE REFERENCE: A-71506-1/RFT/THR  
; CURRENT APPLICATION NUMBER: US/10/831,266  
; CURRENT FILING DATE: 2004-04-22  
; PRIOR APPLICATION NUMBER: PCT/US 02/33065  
; PRIOR FILING DATE: 2002-10-16  
; PRIOR APPLICATION NUMBER: US 60/345,326  
; PRIOR FILING DATE: 2001-10-22  
; PRIOR APPLICATION NUMBER: US 60/359,196  
; PRIOR FILING DATE: 2002-02-20  
; PRIOR APPLICATION NUMBER: US 60/383,195  
; PRIOR FILING DATE: 2002-05-22  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1  
; LENGTH: 11  
; TYPE: RNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: telomerase RNA fragment  
US-10-831-266-1

Query Match 100.0%; Score 11; DB 21; Length 11;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||||

|||||

```
Db      11 GTTAGGGTTAG 1
RESULT 15
US-10-831-267-1/c
; Sequence 1, Application US/10831267
; Publication No. US20050009177A1
; GENERAL INFORMATION:
; APPLICANT: Rowley, Peter T.
; TITLE OF INVENTION: TELOMERASE INTERFERENCE
; FILE REFERENCE: A-71506-2/RPT/THR
; CURRENT APPLICATION NUMBER: US/10/831,267
; CURRENT FILING DATE: 2004-04-22
; PRIOR FILING DATE: 2004-04-22
; PRIOR APPLICATION NUMBER: PCT/US 02/33146
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US 60/345,326
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/359,196
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/383,195
; PRIOR FILING DATE: 2002-05-22
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 11
; TYPE: RNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: telomerase RNA fragment
US-10-831-267-1
Query Match      100.0%; Score 11; DB 21; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTTAGGGTTAG 1
Db      11 GTTAGGGTTAG 1
RESULT 16
US-10-967-755-1
; Sequence 1, Application US/10967755
; Publication No. US20050049408A1
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; APPLICANT: Gryaznov, Sergei
; APPLICANT: Pongracz, Krisztina
; APPLICANT: Matray, Tracey
; TITLE OF INVENTION: Oligonucleotide N3'-->P5' Thiophosphoramidates: Their Synthesis a
; FILE REFERENCE: 039/005C
; CURRENT APPLICATION NUMBER: US/10/967,755
; CURRENT FILING DATE: 2004-10-18
; PRIOR APPLICATION NUMBER: US 10/463,076
; PRIOR FILING DATE: 2003-06-17
; PRIOR APPLICATION NUMBER: US 09/657,445
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: US 60/153,201
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 60/160,444
; PRIOR FILING DATE: 1999-10-19
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide with potential inhibition activity
US-10-967-755-1
Query Match      100.0%; Score 11; DB 21; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;

Db      11 GTTAGGGTTAG 1
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTTAGGGTTAG 1
Db      11 GTTAGGGTTAG 1
RESULT 17
US-10-257-017B-305261
; Sequence 305261, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 305261
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021360
US-10-257-017B-305261
Query Match      100.0%; Score 11; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTTAGGGTTAG 1
Db      1 GTTAGGGTTAG 1
RESULT 18
US-10-257-017B-334175/c
; Sequence 334175, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 334175
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037989
US-10-257-017B-334175
Query Match      100.0%; Score 11; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTTAGGGTTAG 1
Db      12 GTTAGGGTTAG 2
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## RESULT 19

US-09-893-252-4  
; Sequence 4, Application US/09893252  
; Publication No. US20030012755A1  
; GENERAL INFORMATION:  
; APPLICANT: Styczynski, Peter  
; APPLICANT: Ahluwalia, Gurpreet S.  
; TITLE OF INVENTION: REDUCTION OF HAIR GROWTH  
; FILE REFERENCE: 00216-552001  
; CURRENT APPLICATION NUMBER: US/09/893,252  
; CURRENT FILING DATE: 2001-10-12  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 13  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-893-252-4

Query Match 100.0%; Score 11; DB 10; Length 13;  
Best Local Similarity 63.6%; Pred. No. 8.2e+03;  
Matches 7; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|:|||||:  
Db 3 GUUAGGUUAG 13

## RESULT 20

US-10-038-335-1  
; Sequence 1, Application US/10038335  
; Publication No. US20030096776A1  
; GENERAL INFORMATION:

; APPLICANT: Ecker, David J.  
; APPLICANT: Wyatt, Jacqueline  
; APPLICANT: Bennett, C. Frank  
; APPLICANT: Hanecek, Ronnie  
; APPLICANT: Brown-Driver, Vickie  
; APPLICANT: Vickers, Timothy  
; APPLICANT: Chiang, Ming-yi  
; APPLICANT: Anderson, Kevin  
; TITLE OF INVENTION: Modulation Of Telomere Length By Oligonucleotides Having A G-Core  
; FILE REFERENCE: ISIS-4976  
; CURRENT APPLICATION NUMBER: US/10/038,335  
; CURRENT FILING DATE: 2001-01-02  
; PRIOR APPLICATION NUMBER: 09/299,058  
; PRIOR FILING DATE: 1999-04-23  
; PRIOR APPLICATION NUMBER: 08/403,888  
; PRIOR FILING DATE: 1995-06-12  
; PRIOR APPLICATION NUMBER: PCT/US93/09297  
; PRIOR FILING DATE: 1993-09-29  
; PRIOR APPLICATION NUMBER: 07/954,185  
; PRIOR FILING DATE: 1992-09-29  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: No. US20030096776A1el sequence  
; FEATURE:  
; OTHER INFORMATION: Antisense sequence

Query Match 100.0%; Score 11; DB 14; Length 13;  
Best Local Similarity 63.6%; Pred. No. 8.2e+03;  
Matches 7; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|:|||||:  
Db 3 GUUAGGUUAG 13

## RESULT 21

US-10-038-335-2  
; Sequence 2, Application US/10038335  
; Publication No. US20030096776A1  
; GENERAL INFORMATION:  
; APPLICANT: Ecker, David J.  
; APPLICANT: Wyatt, Jacqueline  
; APPLICANT: Bennett, C. Frank  
; APPLICANT: Hanecek, Ronnie  
; APPLICANT: Brown-Driver, Vickie  
; APPLICANT: Vickers, Timothy  
; APPLICANT: Chiang, Ming-yi  
; APPLICANT: Anderson, Kevin  
; TITLE OF INVENTION: Modulation Of Telomere Length By Oligonucleotides Having A G-Core  
; FILE REFERENCE: ISIS-4976  
; CURRENT APPLICATION NUMBER: US/10/038,335  
; CURRENT FILING DATE: 2001-01-02  
; PRIOR APPLICATION NUMBER: 09/299,058  
; PRIOR FILING DATE: 1999-04-23  
; PRIOR APPLICATION NUMBER: 08/403,888  
; PRIOR FILING DATE: 1995-06-12  
; PRIOR APPLICATION NUMBER: PCT/US93/09297  
; PRIOR FILING DATE: 1993-09-29  
; PRIOR APPLICATION NUMBER: 07/954,185  
; PRIOR FILING DATE: 1992-09-29  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: No. US20030096776A1el sequence  
; FEATURE:  
; OTHER INFORMATION: Antisense sequence

Query Match 100.0%; Score 11; DB 14; Length 13;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|:|||||:  
Db 3 GTTAGGGTTAG 13

## RESULT 22

US-10-347-253-1  
; Sequence 1, Application US/10347253  
; Publication No. US20030175776A1  
; GENERAL INFORMATION:

; APPLICANT: Hitachi Software Engineering Co.,Ltd.,  
; TITLE OF INVENTION: Accelerator And Acceleration Method For Hybridization  
; FILE REFERENCE: 13B051  
; CURRENT APPLICATION NUMBER: US/10/347,253  
; CURRENT FILING DATE: 2003-01-21  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA

Query Match 100.0%; Score 11; DB 16; Length 13;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|:|||||:  
Db 1 GTTAGGGTTAG 11

```
RESULT 23
US-10-368-451-1
; Sequence 1, Application US/10368451
; Publication No. US20030186298A1
; GENERAL INFORMATION:
; APPLICANT: Hitachi Software Engineering Co., Ltd.
; TITLE OF INVENTION: POLYMER CHIP AND METHOD FOR IDENTIFYING AN IONIC POLYMER
; FILE REFERENCE: PH-1700
; CURRENT APPLICATION NUMBER: US/10/368,451
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: JP 2002-090129
; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial sequence synthesized by a sequencer by the inventors
US-10-368-451-1

Query Match      100.0%; Score 11; DB 16; Length 13;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTTAGGGTTAG 11
Db      1 GTTAGGGTTAG 11

RESULT 24
US-10-463-076-8
; Sequence 8, Application US/10463076
; Publication No. US20030212032A1
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; APPLICANT: Gryaznov, Sergei
; APPLICANT: Pongracz, Krisztina
; APPLICANT: Matray, Tracey
; TITLE OF INVENTION: Oligonucleotide N3'-->P5' Thiophosphoramidates: Their Synthesis a
; FILE REFERENCE: 039/004C
; CURRENT APPLICATION NUMBER: US/10/463,076
; CURRENT FILING DATE: 2003-06-17
; PRIOR APPLICATION NUMBER: US 09/657,445
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: US 60/153,201
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 60/160,444
; PRIOR FILING DATE: 1999-10-19
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide with potential inhibition activity
US-10-463-076-8

Query Match      100.0%; Score 11; DB 17; Length 13;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTTAGGGTTAG 11
Db      3 GTTAGGGTTAG 13

RESULT 25
US-10-257-017B-19897
; Sequence 19897, Application US/10257017B
```

```
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 19897
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004102
US-10-257-017B-19897

Query Match      100.0%; Score 11; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTTAGGGTTAG 11
Db      2 GTTAGGGTTAG 12

RESULT 26
US-10-257-017B-19898/c
; Sequence 19898, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 19898
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004102
US-10-257-017B-19898

Query Match      100.0%; Score 11; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 8.2e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTTAGGGTTAG 11
Db      12 GTTAGGGTTAG 2

RESULT 27
US-10-257-017B-102799
; Sequence 102799, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 102799  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025688  
US-10-257-017B-102799

Query Match 100.0%; Score 11; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||  
Db 1 GTTAGGGTTAG 11

## RESULT 28

US-10-257-017B-102800/c  
; Sequence 102800, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 102800  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025688  
US-10-257-017B-102800

Query Match 100.0%; Score 11; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||  
Db 13 GTTAGGGTTAG 3

## RESULT 29

US-10-967-755-8  
; Sequence 8, Application US/10967755  
; Publication No. US20050049408A1  
; GENERAL INFORMATION:

; APPLICANT: Geron Corporation  
; APPLICANT: Gryaznov, Sergei  
; APPLICANT: Pongracz, Krisztina  
; APPLICANT: Matray, Tracey  
; TITLE OF INVENTION: Oligonucleotide N3'-->P5' Thiophosphoramidates: Their Synthesis a  
; FILE REFERENCE: 039/005C  
; CURRENT APPLICATION NUMBER: US/10/967,755  
; CURRENT FILING DATE: 2004-10-18  
; PRIOR APPLICATION NUMBER: US 10/463,076  
; PRIOR FILING DATE: 2003-06-17  
; PRIOR APPLICATION NUMBER: US 09/657,445  
; PRIOR FILING DATE: 2000-09-08

; PRIOR APPLICATION NUMBER: US 60/153,201  
; PRIOR FILING DATE: 1999-09-10  
; PRIOR APPLICATION NUMBER: US 60/160,444  
; PRIOR FILING DATE: 1999-10-19  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 8  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic oligonucleotide with potential inhibition activity  
US-10-967-755-8

Query Match 100.0%; Score 11; DB 21; Length 13;  
Best Local Similarity 100.0%; Pred. No. 8.2e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||  
Db 3 GTTAGGGTTAG 13

## RESULT 30

US-10-232-927A-20/c  
; Sequence 20, Application US/10232927A  
; Publication No. US20030190638A1  
; GENERAL INFORMATION:

; APPLICANT: Michael D. West  
; Calvin B. Harley  
; Scott L. Weinrich  
; Catherine M. Strahl  
; Michael J. Meeachern  
; Jerry Shay  
; Woodring E. Wright  
; Elizabeth H. Blackburn  
; Nam Woo Kim  
; Homayoun Vaziri  
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF  
; CONDITIONS RELATED TO  
; TELOMERE LENGTH AND/OR  
; TELOMERASE ACTIVITY  
; NUMBER OF SEQUENCES: 80  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FASTSEQ for Windows 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/232,927A  
; FILING DATE: 29-Aug-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/378,535  
; FILING DATE: 20-Aug-1999  
; APPLICATION NUMBER: 08/819,867  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Chambers, Daniel M.  
; REGISTRATION NUMBER: 34,561  
; REFERENCE/DOCKET NUMBER: 224/232  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440

```

;
;   TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 20:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 16 base pairs
;       TYPE: nucleic acid
;       STRANDEDNESS: single
;       TOPOLOGY: linear
;   SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-10-232-927A-20

Query Match      100.0%; Score 11; DB 16; Length 16;
Best Local Similarity 100.0%; Pred.No. 8.1e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTTAGGGTTAG 11
Db      13 GTTAGGGTTAG 3
      |||||
RESULT 31
US-10-333-152A-8
; Sequence 8, Application US/10333152A
; Publication No. US20040170980A1
; GENERAL INFORMATION:
; APPLICANT: SAITO, ISAO
; APPLICANT: NAKATANI, KAZUHIKO
; APPLICANT: SANDO, SHINSUKE
; TITLE OF INVENTION: MOLECULES CAPABLE OF BINDING TO TELOMERE AND THE LIKE
; FILE REFERENCE: 58449 (71526)
; CURRENT APPLICATION NUMBER: US/10/333,152A
; CURRENT FILING DATE: 2003-01-16
; PRIOR APPLICATION NUMBER: PCT/JP01/06150
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: JP 2000-216376
; PRIOR FILING DATE: 2000-07-17
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-333-152A-8

Query Match      100.0%; Score 11; DB 19; Length 16;
Best Local Similarity 100.0%; Pred.No. 8.1e+03;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTTAGGGTTAG 11
Db      6 GTTAGGGTTAG 16
      |||||
RESULT 32
US-10-780-464-2/c
; Sequence 2, Application US/10780464
; Publication No. US20040219634A1
; GENERAL INFORMATION:
; APPLICANT: Ishikawa, Fuyuki
; APPLICANT: Hasegawa, Mamoru
; TITLE OF INVENTION: Artificial Chromosome
; FILE REFERENCE: 50026/016002
; CURRENT APPLICATION NUMBER: US/10/780,464
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: 09/254,947
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: PCT/JP97/03305
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: JP 8/246749
; PRIOR FILING DATE: 1996-09-18

```

; LENGTH: 16  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-831-267-22

Query Match 100.0%; Score 11; DB 21; Length 16;  
Best Local Similarity 100.0%; Pred. No. 8.1e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
Db 13 GTTAGGGTTAG 3

## RESULT 35

US-08-463-404-4/c  
; Sequence 4, Application US/08463404  
; Publication No. US20020127634A1  
; GENERAL INFORMATION:  
; APPLICANT: Michael D. West  
; APPLICANT: Jerry W. Shay  
; APPLICANT: Woodring E. Wright  
; APPLICANT: Elizabeth Blackburn  
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF CONDITIONS  
; TITLE OF INVENTION: RELATED TO TELOMERE LENGTH AND/OR  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: Word Perfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/463,404  
; FILING DATE: 05-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/060,952  
; FILING DATE: May 13, 1993  
; APPLICATION NUMBER: 07/882,438  
; FILING DATE: May 13, 1992  
; APPLICATION NUMBER: 08/038,766  
; FILING DATE: March 24, 1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 202/045  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear

US-08-463-404-5  
; Sequence 5, Application US/08463404  
; Publication No. US20020127634A1  
; GENERAL INFORMATION:  
; APPLICANT: Michael D. West  
; APPLICANT: Jerry W. Shay  
; APPLICANT: Woodring E. Wright  
; APPLICANT: Elizabeth Blackburn  
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF CONDITIONS  
; TITLE OF INVENTION: RELATED TO TELOMERE LENGTH AND/OR  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: Word Perfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/463,404  
; FILING DATE: 05-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/060,952  
; FILING DATE: May 13, 1993  
; APPLICATION NUMBER: 07/882,438  
; FILING DATE: May 13, 1992  
; APPLICATION NUMBER: 08/038,766  
; FILING DATE: March 24, 1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 202/045  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear

US-08-463-404-5  
Query Match 100.0%; Score 11; DB 8; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.1e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
Db 6 GTTAGGGTTAG 16

## RESULT 37

US-09-057-351-26  
; Sequence 26, Application US/09057351  
; Patent No. US20010034439A1  
; GENERAL INFORMATION:  
; APPLICANT: Villeponteau, Bryant

Query Match 100.0%; Score 11; DB 8; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.1e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11

; APPLICANT: Peng, Junli  
; APPLICANT: Funk, Walter  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: Mammalian Telomerase  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/057,351  
; FILING DATE: 08-APR-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/272,102  
; FILING DATE: 07-JUL-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/330,123  
; FILING DATE: 27-OCT-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/472,802  
; FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-000821US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 26:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
US-09-057-351-26

Query Match 100.0%; Score 11; DB 9; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.1e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
| | | | | | | | | |  
Db 6 GTTAGGGTTAG 16

RESULT 38  
US-09-947-659-1/c  
; Sequence 1, Application US/09947659  
; Patent No. US20020114797A1  
; GENERAL INFORMATION:  
; APPLICANT: CHABOT, Benoit  
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR MODULATING THE LENGTH OF  
; FILE REFERENCE: 13024.2  
; CURRENT APPLICATION NUMBER: US/09/947,659  
; CURRENT FILING DATE: 2001-09-06  
; PRIOR APPLICATION NUMBER: US 09/214,178  
; PRIOR FILING DATE: 1999-02-25  
; PRIOR APPLICATION NUMBER: PCT/CA97/00471  
; PRIOR FILING DATE: 1997-06-30  
; PRIOR APPLICATION NUMBER: 60/020,956  
; PRIOR FILING DATE: 1996-07-01  
; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:  
; OTHER INFORMATION: oligonucleotide  
US-09-947-659-1

Query Match 100.0%; Score 11; DB 9; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.1e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
| | | | | | | | | |  
Db 13 GTTAGGGTTAG 3

RESULT 39  
US-09-947-659-2  
; Sequence 2, Application US/09947659  
; Patent No. US20020114797A1  
; GENERAL INFORMATION:  
; APPLICANT: CHABOT, Benoit  
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR MODULATING THE LENGTH OF  
; FILE REFERENCE: 13024.2  
; CURRENT APPLICATION NUMBER: US/09/947,659  
; CURRENT FILING DATE: 2001-09-06  
; PRIOR APPLICATION NUMBER: US 09/214,178  
; PRIOR FILING DATE: 1999-02-25  
; PRIOR APPLICATION NUMBER: PCT/CA97/00471  
; PRIOR FILING DATE: 1997-06-30  
; PRIOR APPLICATION NUMBER: 60/020,956  
; PRIOR FILING DATE: 1996-07-01  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:  
; OTHER INFORMATION: oligonucleotide  
US-09-947-659-2

Query Match 100.0%; Score 11; DB 9; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.1e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
| | | | | | | | | |  
Db 6 GTTAGGGTTAG 16

RESULT 40  
US-09-947-659-7  
; Sequence 7, Application US/09947659  
; Patent No. US20020114797A1  
; GENERAL INFORMATION:  
; APPLICANT: CHABOT, Benoit  
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR MODULATING THE LENGTH OF  
; FILE REFERENCE: 13024.2  
; CURRENT APPLICATION NUMBER: US/09/947,659  
; CURRENT FILING DATE: 2001-09-06  
; PRIOR APPLICATION NUMBER: US 09/214,178  
; PRIOR FILING DATE: 1999-02-25  
; PRIOR APPLICATION NUMBER: PCT/CA97/00471  
; PRIOR FILING DATE: 1997-06-30  
; PRIOR APPLICATION NUMBER: 60/020,956  
; PRIOR FILING DATE: 1996-07-01

; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 7  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:  
; OTHER INFORMATION: Oligonucleotide  
US-09-947-659-7

Query Match 100.0%; Score 11; DB 9; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.1e+03;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||  
Db 2 GTTAGGGTTAG 12  
|||

Search completed: July 13, 2005, 04:11:19  
Job time : 312.924 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 15:44:02 ; Search time 64.8861 Seconds

(without alignments)  
277.395 Million cell updates/sec

Title: US-09-540-843-5

Perfect score: 11

Sequence: 1 gtagggtag 11

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1407054

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Issued Patents NA:\*

- 1: /cgn2\_6/ptodata/1/ina/5A COMB.seq:\*
- 2: /cgn2\_6/ptodata/1/ina/5B COMB.seq:\*
- 3: /cgn2\_6/ptodata/1/ina/6A COMB.seq:\*
- 4: /cgn2\_6/ptodata/1/ina/6B COMB.seq:\*
- 5: /cgn2\_6/ptodata/1/ina/PCTUS COMB.seq:\*
- 6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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C 2	11	100.0	11	1	US-08-482-115B-2
C 3	11	100.0	11	2	US-08-660-678A-2
C 4	11	100.0	11	2	US-08-531-743-11
C 5	11	100.0	11	2	US-08-531-743-12
C 6	11	100.0	11	2	US-08-485-778-36
C 7	11	100.0	11	2	US-08-472-802C-3
C 8	11	100.0	11	3	US-08-520-550A-36
C 9	11	100.0	11	3	US-08-630-019A-9
C 10	11	100.0	11	3	US-08-630-019A-30
C 11	11	100.0	11	3	US-08-630-019A-39
C 12	11	100.0	11	3	US-08-838-545-13
C 13	11	100.0	11	3	US-08-838-545-31
C 14	11	100.0	11	3	US-08-838-545-44
C 15	11	100.0	11	3	US-08-998-443-2
C 16	11	100.0	11	3	US-09-060-523-2
C 17	11	100.0	11	3	US-09-349-532-13
C 18	11	100.0	11	3	US-09-349-532-31
C 19	11	100.0	11	3	US-09-349-532-44
C 20	11	100.0	11	3	US-09-580-517-2
C 21	11	100.0	11	4	US-09-057-351-2
C 22	11	100.0	11	4	US-09-657-445A-1
C 23	11	100.0	11	4	US-09-835-370-63
C 24	11	100.0	11	4	US-10-463-076-1
C 25	11	100.0	12	3	US-08-630-019A-10
C 26	11	100.0	12	3	US-08-838-545-8
C 27	11	100.0	12	3	US-09-349-532-8

28	11	100.0	13	3	US-08-630-019A-11	Sequence 11, Appl
29	11	100.0	13	3	US-08-630-019A-15	Sequence 15, Appl
30	11	100.0	13	3	US-08-838-545-1	Sequence 1, Appl
31	11	100.0	13	3	US-08-838-545-12	Sequence 12, Appl
32	11	100.0	13	3	US-09-349-532-1	Sequence 1, Appl
33	11	100.0	13	3	US-09-349-532-12	Sequence 12, Appl
34	11	100.0	13	4	US-09-657-445A-8	Sequence 8, Appl
35	11	100.0	13	4	US-10-463-076-8	Sequence 8, Appl
36	11	100.0	15	2	US-08-531-743-4	Sequence 4, Appl
37	11	100.0	15	3	US-08-630-019A-12	Sequence 12, Appl
38	11	100.0	15	3	US-08-630-019A-18	Sequence 18, Appl
39	11	100.0	15	3	US-08-630-019A-40	Sequence 40, Appl
40	11	100.0	15	3	US-08-838-545-2	Sequence 2, Appl
41	11	100.0	15	3	US-08-838-545-5	Sequence 5, Appl
42	11	100.0	15	3	US-08-838-545-45	Sequence 45, Appl
43	11	100.0	15	3	US-09-349-532-2	Sequence 2, Appl
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45	11	100.0	15	3	US-09-349-532-45	Sequence 45, Appl
46	11	100.0	16	1	US-08-153-051B-11	Sequence 11, Appl
47	11	100.0	16	2	US-08-151-477A-11	Sequence 11, Appl
48	11	100.0	16	2	US-08-819-867-20	Sequence 20, Appl
49	11	100.0	16	3	US-08-464-011B-60	Sequence 60, Appl
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51	11	100.0	17	2	US-08-531-743-13	Sequence 13, Appl
52	11	100.0	17	3	US-08-857-721-12	Sequence 12, Appl
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54	11	100.0	18	1	US-08-038-766-4	Sequence 4, Appl
55	11	100.0	18	1	US-08-038-766-5	Sequence 5, Appl
56	11	100.0	18	1	US-08-315-214-8	Sequence 8, Appl
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58	11	100.0	18	1	US-08-315-214-10	Sequence 10, Appl
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60	11	100.0	18	1	US-08-153-051B-5	Sequence 5, Appl
61	11	100.0	18	1	US-08-153-051B-31	Sequence 31, Appl
62	11	100.0	18	1	US-08-315-216-5	Sequence 5, Appl
63	11	100.0	18	1	US-08-315-216-6	Sequence 6, Appl
64	11	100.0	18	1	US-08-315-216-9	Sequence 9, Appl
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68	11	100.0	18	1	US-08-060-952C-4	Sequence 4, Appl
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71	11	100.0	18	1	US-08-487-290-5	Sequence 5, Appl
72	11	100.0	18	1	US-08-482-115B-27	Sequence 27, Appl
73	11	100.0	18	1	US-08-632-662A-15	Sequence 15, Appl
74	11	100.0	18	1	US-08-632-662A-16	Sequence 16, Appl
75	11	100.0	18	1	US-08-632-662A-17	Sequence 17, Appl
76	11	100.0	18	2	US-08-151-477A-5	Sequence 5, Appl
77	11	100.0	18	2	US-08-151-477A-31	Sequence 31, Appl
78	11	100.0	18	2	US-08-660-402-13	Sequence 13, Appl
79	11	100.0	18	2	US-08-482-132A-8	Sequence 8, Appl
80	11	100.0	18	2	US-08-482-132A-9	Sequence 9, Appl
81	11	100.0	18	2	US-08-482-132A-10	Sequence 10, Appl
82	11	100.0	18	2	US-08-485-454-5	Sequence 5, Appl
83	11	100.0	18	2	US-08-480-037B-4	Sequence 4, Appl
84	11	100.0	18	2	US-08-480-037B-5	Sequence 5, Appl
85	11	100.0	18	2	US-08-531-743-7	Sequence 7, Appl
86	11	100.0	18	2	US-08-531-743-8	Sequence 8, Appl
87	11	100.0	18	2	US-08-531-743-9	Sequence 9, Appl
88	11	100.0	18	2	US-08-631-554A-15	Sequence 15, Appl
89	11	100.0	18	2	US-08-631-554A-16	Sequence 16, Appl
90	11	100.0	18	2	US-08-631-554A-17	Sequence 17, Appl
91	11	100.0	18	2	US-09-100-153-15	Sequence 15, Appl
92	11	100.0	18	2	US-09-100-153-16	Sequence 16, Appl
93	11	100.0	18	2	US-09-100-153-17	Sequence 17, Appl
94	11	100.0	18	2	US-08-472-802C-1	Sequence 1, Appl
95	11	100.0	18	2	US-08-833-377-8	Sequence 8, Appl
96	11	100.0	18	2	US-08-833-377-9	Sequence 9, Appl
97	11	100.0	18	2	US-08-833-377-15	Sequence 15, Appl
98	11	100.0	18	3	US-08-879-457-3	Sequence 3, Appl
99	11	100.0	18	3	US-08-819-867-3	Sequence 3, Appl
100	11	100.0	18	3	US-08-819-867-4	Sequence 4, Appl

## ALIGNMENTS

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RESULT 1
US-08-330-123A-2/c
; Sequence 2, Application US/08330123A
; Patent No. 5583016
; GENERAL INFORMATION:
; APPLICANT: VILLEPONTEAU, Bryant
; APPLICANT: FENG, Junli
; APPLICANT: FUNK, Walter
; APPLICANT: ANDREWS, William H.
; TITLE OF INVENTION: HUMAN TELOMERASE
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: 379 Lytton Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: US
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/330,123A
; FILING DATE: 27-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; NAME: Smith, William M
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 15389-000810
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400
; TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 2:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA
US-08-330-123A-2

Query Match 100.0%; Score 11; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 2
US-08-482-115B-2/c
; Sequence 2, Application US/08482115B
; Patent No. 5776679
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Assays for the RNA Component of Human
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
```

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; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/482,115B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,123
; FILING DATE: 27-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-000830US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA
US-08-482-115B-2

Query Match 100.0%; Score 11; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 3
US-08-660-678A-2/c
; Sequence 2, Application US/08660678A
; Patent No. 5837857
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Mammalian Telomerase
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/660,678A
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,123
; FILING DATE: 27-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-000811US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA
US-08-660-678A-2

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 4
US-08-531-743-11
; Sequence 11, Application US/08531743
; Patent No. 5856096
; GENERAL INFORMATION:
; APPLICANT: Windle, Bradford E.
; APPLICANT: Oiu, Ming
; APPLICANT: Chen, Shi-fong
; APPLICANT: Fletcher, Terace M.
; APPLICANT: Maine, Ira
; TITLE OF INVENTION: Rapid and Sensitive Assays for Detecting and
; TITLE OF INVENTION: Distinguishing Between Processive and
; TITLE OF INVENTION: No. 5856096-Processive Telomerase Activities
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/531,743
; FILING DATE: 20-SEP-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: CTCR:026/HYL
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (512) 474-7577
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-531-743-12

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

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; TOPOLOGY: linear
US-08-531-743-11

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 5
US-08-531-743-12/C
; Sequence 12, Application US/08531743
; Patent No. 5856096
; GENERAL INFORMATION:
; APPLICANT: Windle, Bradford E.
; APPLICANT: Oiu, Ming
; APPLICANT: Chen, Shi-fong
; APPLICANT: Fletcher, Terace M.
; APPLICANT: Maine, Ira
; TITLE OF INVENTION: Rapid and Sensitive Assays for Detecting and
; TITLE OF INVENTION: Distinguishing Between Processive and
; TITLE OF INVENTION: No. 5856096-Processive Telomerase Activities
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/531,743
; FILING DATE: 20-SEP-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: CTCR:026/HYL
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (512) 474-7577
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-531-743-12

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 6
US-08-485-778-36/C
; Sequence 36, Application US/08485778
; Patent No. 5876979
; GENERAL INFORMATION:
; APPLICANT: Andrews, William H.
; APPLICANT: Avilion, Ariel Athena

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```

; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Greider, Carol
; APPLICANT: Marhuenda, Maria Antonia Blasco
; APPLICANT: Villeponteau, Bryant
; TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: US
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485.778
; FILING DATE: 07-JE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/387,524
; FILING DATE: 13-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,123
; FILING DATE: 27-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: CSHL94-05A4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-9540
; TELEFAX: 617-861-6240
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-485-778-36

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 7
US-08-472-802C-3/c
; Sequence 3, Application US/08472802C
; Patent No. 5958680
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
; APPLICANT: Feng, Junli
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Mammalian Telomerase
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/472,802C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,123
; FILING DATE: 27-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 15389-000820
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA
; US-08-472-802C-3

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 8
US-08-520-550A-36/c
; Sequence 36, Application US/08520550A
; Patent No. 6013468
; GENERAL INFORMATION:
; APPLICANT: Andrews, William H.
; APPLICANT: Avilion, Ariel A.
; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Greider, Carol
; APPLICANT: Marhuenda, Maria A. B.
; APPLICANT: Villeponteau, Bryant
; TITLE OF INVENTION: RNA Component of Telomerase
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: US
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/520,550A
; FILING DATE: 29-AUG-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/387,524
; FILING DATE: 13-FEB-1995

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;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/330,123  
;; FILING DATE: 27-OCT-1994  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/272,102  
;; FILING DATE: 07-JUL-1994  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Granahan, Patricia  
;; REGISTRATION NUMBER: 32,227  
;; REFERENCE/DOCKET NUMBER: CSHL94-05A3B  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 617-861-6240  
;; TELEFAX: 617-861-9540  
;; INFORMATION FOR SEQ ID NO: 36:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 11 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: double  
;; TOPOLOGY: linear  
;; US-08-520-550A-36

Query Match 100.0%; Score 11; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11  
|||||  
Db 11 GTTAGGGTTAG 1

RESULT 9  
US-08-630-019A-9  
; Sequence 9, Application US/08630019A  
; Patent No. 6015710  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David  
; APPLICANT: No. 6015710ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 46  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/630,019A  
; FILING DATE: 09-JUN-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001600US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid

;; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
;; DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by  
;; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
;; DESCRIPTION: glycine amino nitrogen through a methylenecarbonyl linker"  
;; US-08-630-019A-9

Query Match 100.0%; Score 11; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11  
|||||  
Db 1 GTTAGGGTTAG 11

RESULT 10  
US-08-630-019A-30/c  
; Sequence 30, Application US/08630019A  
; Patent No. 6015710  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David  
; APPLICANT: No. 6015710ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 46  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/630,019A  
; FILING DATE: 09-JUN-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001600US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 30:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: RNA  
; US-08-630-019A-30

Query Match 100.0%; Score 11; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11  
|||||  
Db 11 GTTAGGGTTAG 1

RESULT 11  
US-08-630-019A-39  
; Sequence 39, Application US/08630019A  
; Patent No. 6015710

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;
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/838,545
; FILING DATE: 09-APR-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/630,019
; FILING DATE: 09-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"
; US-08-838-545-13
;
Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. NO. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
   |||||
DB 1 GTTAGGGTTAG 11

RESULT 13
US-08-838-545-31/c
; Sequence 31, Application US/08838545
; Patent No. 6046307
; GENERAL INFORMATION:
; APPLICANT: Shay, Jerry W.
; APPLICANT: Wright, Woodring E.
; APPLICANT: Fiatyszek, Mieczyslaw A.
; APPLICANT: Corey, David R.
; APPLICANT: No. 6046307ton, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; TITLE OF INVENTION: Peptide Nucleic Acids
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/838,545
; FILING DATE: 09-APR-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/630,019
; FILING DATE: 09-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.

```

```
;
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"
US-08-838-545-31

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 14
US-08-838-545-44
; Sequence 44, Application US/08838545
; Patent No. 6046307
; GENERAL INFORMATION:
; APPLICANT: Shay, Jerry W.
; APPLICANT: Wright, Woodring E.
; APPLICANT: Piatyzek, Mieczyslaw A.
; APPLICANT: Corey, David R.
; APPLICANT: No. 6046307ton, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; TITLE OF INVENTION: Peptide Nucleic Acids
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 09-APR-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/630,019
; FILING DATE: 09-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
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;
; DESCRIPTION: /desc = "phosphorothioate (PS)
; DESCRIPTION: nucleic acid"
US-08-838-545-44

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 15
US-08-998-443-2/c
; Sequence 2, Application US/08998443
; Patent No. 6054575
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Mammalian Telomerase
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: US/08/998,443
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/660,678
; FILING DATE: 05-JUN-1996
; APPLICATION NUMBER: US 08/330,123
; FILING DATE: 27-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-000811US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA
US-08-998-443-2

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1
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RESULT 16  
US-09-060-523-2/c  
; Sequence 23, Application US/09060523  
; Patent No. 6258535  
; GENERAL INFORMATION:  
; APPLICANT: Villeponteau, Bryant  
; APPLICANT: Feng, Junli  
; APPLICANT: Funk, Walter  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: Mammalian Telomerase  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/060,523  
; FILING DATE: 14-APR-1998  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/660,678  
; FILING DATE: 05-JUN-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/330,123  
; FILING DATE: 27-OCT-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/272,102  
; FILING DATE: 07-JUL-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-000813US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: RNA  
US-09-060-523-2

Query Match 100.0%; Score 11; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 GTTAGGGTTAG 11  
Db 11 GTTAGGGTTAG 1  
  
RESULT 17  
US-09-349-532-13  
; Sequence 13, Application US/09349532  
; Patent No. 6294650  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David R.  
; APPLICANT: No. 6294650ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM: disk

; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/349,532  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/838,545  
; FILING DATE: 09-APR-1997  
; APPLICATION NUMBER: US 08/630,019  
; FILING DATE: 09-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001610US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid (PNA),  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by  
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"  
US-09-349-532-13  
  
Query Match 100.0%; Score 11; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 GTTAGGGTTAG 11  
Db 1 GTTAGGGTTAG 11  
  
RESULT 18  
US-09-349-532-31/c  
; Sequence 31, Application US/09349532  
; Patent No. 6294650  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David R.  
; APPLICANT: No. 6294650ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM: disk



COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/349,532  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/838,545  
FILING DATE: 09-APR-1997  
APPLICATION NUMBER: US 08/630,019  
FILING DATE: 09-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-001610US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid (PNA),  
DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
DESCRIPTION: where (deoxy(ribose)-phosphate linkages are replaced by  
DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
DESCRIPTION: glycine amino N through a methylenecarbonyl linker"  
US-09-349-532-31

Query Match 100.0%; Score 11; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
Db 11 GTTAGGGTTAG 1

RESULT 19  
US-09-349-532-44  
Sequence 44, Application US/09349532  
Patent No. 6294650  
GENERAL INFORMATION:  
APPLICANT: Shay, Jerry W.  
APPLICANT: Wright, Woodring E.  
APPLICANT: Piatyszek, Mieczyslaw A.  
APPLICANT: Corey, David R.  
APPLICANT: No. 6294650ton, James C.  
TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
TITLE OF INVENTION: Peptide Nucleic Acids  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/349,532  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/838,545  
FILING DATE: 09-APR-1997

APPLICATION NUMBER: US 08/630,019  
FILING DATE: 09-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-001610US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 44:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "phosphorothioate (PS)  
DESCRIPTION: nucleic acid"  
US-09-349-532-44  
Query Match 100.0%; Score 11; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GTTAGGGTTAG 11  
Db 1 GTTAGGGTTAG 11  
RESULT 20  
US-09-580-517-2/c  
Sequence 2, Application US/09580517  
Patent No. 6320039  
GENERAL INFORMATION:  
APPLICANT: VILLEPONTEAU, Bryant  
FENG, Junli  
FUNK, Walter  
ANDREWS, William H.  
TITLE OF INVENTION: HUMAN TELOMERASE  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend Khourie and Crew  
STREET: 379 Lytton Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: US  
ZIP: 94301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/580,517  
FILING DATE: 25-May-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/330,123  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 15389-000810  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400  
TELEFAX: (415) 326-2422  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: RNA

; SEQUENCE DESCRIPTION: SEQ ID NO: 2;  
US-09-580-517-2

Query Match 100.0%; Score 11; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||||  
Db 11 GTTAGGGTTAG 1

## RESULT 21

US-09-057-351-2/c  
; Sequence 2, Application US/09057351  
; Patent No. 6548298  
; GENERAL INFORMATION:  
; APPLICANT: Villeponteau, Bryant  
; APPLICANT: Feng, Junli  
; APPLICANT: Funk, Walter  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: Mammalian Telomerase  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/057,351  
; FILING DATE: 08-APR-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/272,102  
; FILING DATE: 07-JUL-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/330,123  
; FILING DATE: 27-OCT-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/472,802  
; FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-000821US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: RNA

Query Match 100.0%; Score 11; DB 4; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||||  
Db 11 GTTAGGGTTAG 1

## RESULT 22

US-09-657-445A-1  
; Sequence 1, Application US/09657445A  
; Patent No. 6608036  
; GENERAL INFORMATION:  
; APPLICANT: Geron Corporation  
; APPLICANT: Gryaznov, Sergei  
; APPLICANT: Pongracz, Krisztina  
; APPLICANT: Matray, Tracey  
; TITLE OF INVENTION: Oligonucleotide N3'-P5' Thiophosphoramidates: Their Synthesis and  
; FILE REFERENCE: 039/003  
; CURRENT APPLICATION NUMBER: US/09/657,445A  
; CURRENT FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: US 60/153,201  
; PRIOR FILING DATE: 1999-09-10  
; PRIOR APPLICATION NUMBER: US 60/160,444  
; PRIOR FILING DATE: 1999-10-19  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 11  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic oligonucleotide with potential inhibition activity  
US-09-657-445A-1

Query Match 100.0%; Score 11; DB 4; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||||  
Db 1 GTTAGGGTTAG 11

## RESULT 23

US-09-835-370-63  
; Sequence 63, Application US/09835370  
; Patent No. 677544  
; GENERAL INFORMATION:  
; APPLICANT: UHLMANN, EUGEN  
; APPLICANT: BREIPOHL, GERHARD  
; APPLICANT: WILL, DAVID W  
; TITLE OF INVENTION: POLYAMIDE NUCLEIC ACID DERIVATIVES AND AGENTS AND  
; TITLE OF INVENTION: PROCESSES FOR PREPARING THEM  
; FILE REFERENCE: 02481.1742 SEQUENCE LISTING  
; CURRENT APPLICATION NUMBER: US/09/835,370  
; CURRENT FILING DATE: 2001-04-17  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 63  
; LENGTH: 11  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: nucleotide  
; OTHER INFORMATION: base sequence of PNA derivatives that bind to  
; OTHER INFORMATION: viral and cellular targets  
US-09-835-370-63

Query Match 100.0%; Score 11; DB 4; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
|||||  
Db 1 GTTAGGGTTAG 11

## RESULT 24

US-10-463-076-1  
; Sequence 1, Application US/10463076

; Patent No. 6835826  
; GENERAL INFORMATION:  
; APPLICANT: Geron Corporation  
; APPLICANT: Gryaznov, Sergei  
; APPLICANT: Pongracz, Krisztina  
; APPLICANT: Matray, Tracey  
; TITLE OF INVENTION: Oligonucleotide N3'-->p5' Thiophosphoramidates: Their Synthesis a  
; FILE REFERENCE: 039/004C  
; CURRENT APPLICATION NUMBER: US/10/463,076  
; CURRENT FILING DATE: 2003-06-17  
; PRIOR APPLICATION NUMBER: US 09/657,445  
; PRIOR FILING DATE: 2000-09-08  
; PRIOR APPLICATION NUMBER: US 60/153,201  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: US 60/160,444  
; PRIOR FILING DATE: 1999-10-19  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 11  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic oligonucleotide with potential inhibition activity  
US-10-463-076-1

Query Match 100.0%; Score 11; DB 4; Length 11;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11  
||| |||||  
DB 1 GTTAGGGTTAG 11

RESULT 25  
US-08-630-019A-10  
; Sequence 10, Application US/08630019A  
; Patent No. 6015710  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David  
; APPLICANT: No. 6015710Con, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 46  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/630,019A  
; FILING DATE: 09-JUN-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001600US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 10:  
; APPLICATION NUMBER: US/08/630,019A  
; FILING DATE: 09-JUN-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001600US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; where (deoxy)ribose-phosphate linkages are replaced by  
; N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; a methylenecarbonyl linker"

Query Match 100.0%; Score 11; DB 3; Length 12;

; LENGTH: 12 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; where (deoxy)ribose-phosphate linkages are replaced by  
; N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; a methylenecarbonyl linker"

US-08-630-019A-10

Query Match 100.0%; Score 11; DB 3; Length 12;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11  
||| |||||  
DB 2 GTTAGGGTTAG 12

RESULT 26  
US-08-838-545-8  
; Sequence 8, Application US/08838545  
; Patent No. 6046307  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David R.  
; APPLICANT: No. 6046307Con, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/838,545  
; FILING DATE: 09-APR-1997  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/630,019  
; FILING DATE: 09-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001610US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; where (deoxy)ribose-phosphate linkages are replaced by  
; N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; a methylenecarbonyl linker"

Query Match 100.0%; Score 11; DB 3; Length 12;

```

Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTTAGGGTTAG 11
      ||| ||| ||| |||
Db       2 GTTAGGGTTAG 12

RESULT 27
US-09-349-532-8
; Sequence 8, Application US/09349532
; Patent No. 6294650
; GENERAL INFORMATION:
; APPLICANT: Shay, Jerry W.
; APPLICANT: Wright, Woodring E.
; APPLICANT: Piatyszek, Mieczyslaw A.
; APPLICANT: Corey, David R.
; APPLICANT: No. 6294650con, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; TITLE OF INVENTION: Peptide Nucleic Acids
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/349,532
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/838,545
; FILING DATE: 09-APR-1997
; APPLICATION NUMBER: US 08/630,019
; FILING DATE: 09-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"
US-09-349-532-8

Query Match 100.0%; Score 11; DB 3; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTTAGGGTTAG 11
      ||| ||| ||| |||
Db       2 GTTAGGGTTAG 12

RESULT 28
US-08-630-019A-11

```

STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/630,019A  
FILING DATE: 09-JUN-1996  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-001600US  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by  
DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
DESCRIPTION: glycine amino nitrogen through a methylenecarbonyl linker"  
US-08-630-019A-15

Query Match 100.0%; Score 11; DB 3; Length 13;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
Db 1 GTTAGGGTTAG 11

RESULT 30  
US-08-838-545-1  
Sequence 1, Application US/08838545  
Patent No. 6046307  
GENERAL INFORMATION:  
APPLICANT: Shay, Jerry W.  
APPLICANT: Wright, Woodring E.  
APPLICANT: Piatyszek, Mieczyslaw A.  
APPLICANT: Corey, David R.  
APPLICANT: No. 6046307ton, James C.  
TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/838,545  
FILING DATE: 09-APR-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/630,019  
FILING DATE: 09-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-001610US  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single

ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-001610US  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by  
DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
DESCRIPTION: glycine amino N through a methylenecarbonyl linker"  
US-08-838-545-1

Query Match 100.0%; Score 11; DB 3; Length 13;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
Db 3 GTTAGGGTTAG 13

RESULT 31  
US-08-838-545-12  
Sequence 12, Application US/08838545  
Patent No. 6046307  
GENERAL INFORMATION:  
APPLICANT: Shay, Jerry W.  
APPLICANT: Wright, Woodring E.  
APPLICANT: Piatyszek, Mieczyslaw A.  
APPLICANT: Corey, David R.  
APPLICANT: No. 6046307ton, James C.  
TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/838,545  
FILING DATE: 09-APR-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/630,019  
FILING DATE: 09-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-001610US  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single

; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by  
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"  
US-08-838-545-12

Query Match 100.0%; Score 11; DB 3; Length 13;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
| | | | | | | | | |  
Db 1 GTTAGGGTTAG 11

RESULT 32  
US-09-349-532-1  
; Sequence 1, Application US/09349532  
; Patent No. 6294650  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David R.  
; APPLICANT: No. 6294650ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION NUMBER: US/09/349,532  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/838,545  
; FILING DATE: 09-APR-1997  
; APPLICATION NUMBER: US 08/630,019  
; FILING DATE: 09-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001610US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 13 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by  
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"

Query Match 100.0%; Score 11; DB 3; Length 13;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;

US-09-349-532-1

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GTTAGGGTTAG 11  
| | | | | | | | | |  
Db 3 GTTAGGGTTAG 13

RESULT 33  
US-09-349-532-12  
; Sequence 12, Application US/09349532  
; Patent No. 6294650  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David R.  
; APPLICANT: No. 6294650ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION NUMBER: US/09/349,532  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/838,545  
; FILING DATE: 09-APR-1997  
; APPLICATION NUMBER: US 08/630,019  
; FILING DATE: 09-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001610US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 13 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by  
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"

Query Match 100.0%; Score 11; DB 3; Length 13;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11  
| | | | | | | | | |  
Db 1 GTTAGGGTTAG 11

RESULT 34  
US-09-657-445A-8  
; Sequence 8, Application US/09657445A

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; Patent No. 6608036
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; APPLICANT: Gryaznov, Sergei
; APPLICANT: Pongracz, Krisztina
; APPLICANT: Matray, Tracey
; TITLE OF INVENTION: Oligonucleotide N3'-P5' Thiophosphoramidates: Their Synthesis and
; FILE REFERENCE: 039/003
; CURRENT APPLICATION NUMBER: US/09/657,445A
; CURRENT FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: US 60/153,201
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 60/160,444
; PRIOR FILING DATE: 1999-10-19
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide with potential inhibition activity
US-09-657-445A-8

Query Match      100.0%; Score 11; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.8e+02; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0;

Qy 1 GTTAGGGTTAG 11
Db 3 GTTAGGGTTAG 13

RESULT 35
US-10-463-076-8
; Sequence 8, Application US/10463076
; Patent No. 6835826
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; APPLICANT: Gryaznov, Sergei
; APPLICANT: Pongracz, Krisztina
; APPLICANT: Matray, Tracey
; TITLE OF INVENTION: Oligonucleotide N3'-->P5' Thiophosphoramidates: Their Synthesis a
; FILE REFERENCE: 039/004C
; CURRENT APPLICATION NUMBER: US/10/463,076
; CURRENT FILING DATE: 2003-06-17
; PRIOR APPLICATION NUMBER: US 09/657,445
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: US 60/153,201
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 60/160,444
; PRIOR FILING DATE: 1999-10-19
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide with potential inhibition activity
US-10-463-076-8

Query Match      100.0%; Score 11; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.8e+02; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0;

Qy 1 GTTAGGGTTAG 11
Db 3 GTTAGGGTTAG 13

RESULT 36
US-08-531-743-4/c
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; Sequence 4, Application US/08531743
; Patent No. 5856096
; GENERAL INFORMATION:
; APPLICANT: Windle, Bradford E.
; APPLICANT: Qiu, Ming
; APPLICANT: Chen, Shi-fong
; APPLICANT: Fletcher, Terace M.
; APPLICANT: Maine, Ira
; TITLE OF INVENTION: Rapid and Sensitive Assays for Detecting and
; TITLE OF INVENTION: Distinguishing Between Processive and
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/531,743
; FILING DATE: 20-SEP-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: CTCR:026/HYL
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (512) 474-7577
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-531-743-4

Query Match      100.0%; Score 11; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.8e+02; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0;

Qy 1 GTTAGGGTTAG 11
Db 13 GTTAGGGTTAG 3

RESULT 37
US-08-630-019A-12
; Sequence 12, Application US/08630019A
; Patent No. 6015710
; GENERAL INFORMATION:
; APPLICANT: Shay, Jerry W.
; APPLICANT: Wright, Woodring E.
; APPLICANT: Piatyzek, Mieczyslaw A.
; APPLICANT: Corey, David
; APPLICANT: No. 6015710ton, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; TITLE OF INVENTION: Peptide Nucleic Acids
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/630,019A
; FILING DATE: 09-JUN-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001600US
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),
; DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via
; DESCRIPTION: glycine amino nitrogen through a methylenecarbonyl linker"
US-08-630-019A-12

Query Match 100.0%; Score 11; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 5 GTTAGGGTTAG 15

RESULT 38
US-08-630-019A-18
; Sequence 18, Application US/08630019A
; Patent No. 6015710
; GENERAL INFORMATION:
; APPLICANT: Shay, Jerry W.
; APPLICANT: Wright, Woodring E.
; APPLICANT: Piatyszek, Mieczyslaw A.
; APPLICANT: Corey, David
; APPLICANT: No. 6015710ton, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/630,019A
; FILING DATE: 09-JUN-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001600US
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "phosphorothioate (PS) nucleic acid"
US-08-630-019A-40

Query Match 100.0%; Score 11; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 5 GTTAGGGTTAG 15

RESULT 39
US-08-630-019A-40
; Sequence 40, Application US/08630019A
; Patent No. 6015710
; GENERAL INFORMATION:
; APPLICANT: Shay, Jerry W.
; APPLICANT: Wright, Woodring E.
; APPLICANT: Piatyszek, Mieczyslaw A.
; APPLICANT: Corey, David
; APPLICANT: No. 6015710ton, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/630,019A
; FILING DATE: 09-JUN-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001600US
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "phosphorothioate (PS) nucleic acid"
US-08-630-019A-40

Query Match 100.0%; Score 11; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
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; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),
; DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via
; DESCRIPTION: glycine amino nitrogen through a methylenecarbonyl linker"
US-08-630-019A-18

Query Match 100.0%; Score 11; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 39
US-08-630-019A-40
; Sequence 40, Application US/08630019A
; Patent No. 6015710
; GENERAL INFORMATION:
; APPLICANT: Shay, Jerry W.
; APPLICANT: Wright, Woodring E.
; APPLICANT: Piatyszek, Mieczyslaw A.
; APPLICANT: Corey, David
; APPLICANT: No. 6015710ton, James C.
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/630,019A
; FILING DATE: 09-JUN-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001600US
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "phosphorothioate (PS) nucleic acid"
US-08-630-019A-40

Query Match 100.0%; Score 11; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
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Db 5 GTTAGGTTAG 15  
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## RESULT 40

US-08-838-545-2  
; Sequence 2, Application US/08838545  
; Patent No. 6046307  
; GENERAL INFORMATION:  
; APPLICANT: Shay, Jerry W.  
; APPLICANT: Wright, Woodring E.  
; APPLICANT: Piatyszek, Mieczyslaw A.  
; APPLICANT: Corey, David R.  
; APPLICANT: No. 6046307ton, James C.  
; TITLE OF INVENTION: Modulation of Mammalian Telomerase by  
; TITLE OF INVENTION: Peptide Nucleic Acids  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/838,545  
; FILING DATE: 09-APR-1997  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/630,019  
; FILING DATE: 09-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-001610US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "peptide nucleic acid (PNA),  
; DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by  
; DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via  
; DESCRIPTION: glycine amino N through a methylenecarbonyl linker"  
US-08-838-545-2

Query Match 100.0%; Score 11; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGTTAG 11  
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Db 5 GTTAGGTTAG 15

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

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Title: US-09-540-843-2

Perfect score: 9

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Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1407054

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0\*

Maximum Match 100\*

Listing first 100 summaries

Database :

Issued Patents NA: \*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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4	9	100.0	20	3	US-09-096-172-6
5	9	100.0	20	4	US-09-422-978-6304
6	9	100.0	21	4	US-09-422-978-9775
7	9	100.0	21	4	US-09-816-814-13
8	9	100.0	22	3	US-09-240-918-9
9	9	100.0	22	3	US-09-416-050A-15
10	9	100.0	24	3	US-09-664-800-15
11	9	100.0	24	3	US-09-665-308-15
12	9	100.0	24	3	US-09-661-569-15
13	9	100.0	25	4	US-09-980-777-13
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20	9	100.0	25	4	US-09-396-196G-98061
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22	9	100.0	25	4	US-09-396-196G-108086
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25	9	100.0	25	4	US-09-396-196G-120708
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27	9	100.0	25	4	US-09-396-196G-120729

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c 30	9	100.0	25	4	US-09-396-196G-120735	Sequence 120735,
c 31	9	100.0	25	4	US-09-396-196G-120736	Sequence 120736,
c 32	9	100.0	25	4	US-09-396-196G-120737	Sequence 120737,
c 33	9	100.0	25	4	US-09-396-196G-120738	Sequence 120738,
c 34	9	100.0	28	3	US-09-061-768A-33	Sequence 33, Appl
c 35	9	100.0	28	4	US-09-764-246-33	Sequence 33, Appl
c 36	9	100.0	29	1	US-08-310-386-20	Sequence 20, Appl
c 37	9	100.0	30	3	US-09-019-793A-105	Sequence 105, Appl
c 38	9	100.0	30	4	US-09-601-326-43	Sequence 43, Appl
c 39	9	100.0	33	2	US-08-189-256A-46	Sequence 46, Appl
c 40	9	100.0	33	3	US-09-193-853-46	Sequence 46, Appl
c 41	9	100.0	36	5	PCT-US95-00605-12	Sequence 12, Appl
c 42	9	100.0	36	5	PCT-US95-00605-13	Sequence 13, Appl
c 43	9	100.0	47	4	US-09-422-978-905	Sequence 905, Appl
c 44	9	100.0	47	4	US-09-422-978-2210	Sequence 2210, Ap
c 45	9	100.0	90	4	US-09-419-381-89	Sequence 89, Appl
c 46	9	100.0	98	1	US-08-425-336-117	Sequence 117, Appl
c 47	9	100.0	98	1	US-08-488-113B-117	Sequence 117, Appl
c 48	9	100.0	98	1	US-08-477-484B-117	Sequence 117, Appl
c 49	9	100.0	98	1	US-08-107-669D-30	Sequence 30, Appl
c 50	9	100.0	98	1	US-08-472-788A-30	Sequence 30, Appl
c 51	9	100.0	98	1	US-08-477-531B-30	Sequence 30, Appl
c 52	9	100.0	98	2	US-08-646-360-117	Sequence 117, Appl
c 53	9	100.0	98	2	US-08-082-842A-30	Sequence 30, Appl
c 54	9	100.0	98	3	US-08-839-785-117	Sequence 117, Appl
c 55	9	100.0	98	3	US-09-136-389-117	Sequence 117, Appl
c 56	9	100.0	98	3	US-09-610-838-117	Sequence 117, Appl
c 57	9	100.0	98	4	US-09-711-485-117	Sequence 117, Appl
c 58	9	100.0	105	3	US-08-746-111-37	Sequence 37, Appl
c 59	9	100.0	110	4	US-08-313-234A-5950	Sequence 5950, Ap
c 60	9	100.0	118	4	US-09-513-999C-28878	Sequence 28878, A
c 61	9	100.0	119	5	PCT-US91-00909-23	Sequence 23, Appl
c 62	9	100.0	123	5	PCT-US91-00909-22	Sequence 22, Appl
c 63	9	100.0	126	4	US-09-513-999C-18859	Sequence 18859, A
c 64	9	100.0	126	4	US-09-513-999C-19026	Sequence 19026, A
c 65	9	100.0	130	4	US-08-513-999C-14622	Sequence 14622, A
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c 69	9	100.0	135	3	US-08-819-867-53	Sequence 53, Appl
c 70	9	100.0	135	3	US-08-464-011B-39	Sequence 39, Appl
c 71	9	100.0	135	4	US-08-378-535-53	Sequence 53, Appl
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c 78	9	100.0	155	4	US-09-513-999C-18039	Sequence 18039, A
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c 81	9	100.0	167	4	US-09-513-999C-26741	Sequence 26741, A
c 82	9	100.0	169	4	US-09-513-999C-14611	Sequence 14611, A
c 83	9	100.0	173	4	US-08-513-999C-12211	Sequence 12211, A
c 84	9	100.0	175	4	US-09-621-976-16047	Sequence 16047, A
c 85	9	100.0	176	4	US-09-513-999C-28514	Sequence 28514, A
c 86	9	100.0	177	4	US-09-621-976-15079	Sequence 15079, A
c 87	9	100.0	180	1	US-07-718-535-1	Sequence 1, Appli
c 88	9	100.0	180	1	US-08-161-999-1	Sequence 1, Appli
c 89	9	100.0	180	4	US-09-513-999C-36598	Sequence 36598, A
c 90	9	100.0	183	4	US-09-252-991A-5475	Sequence 5475, Ap
c 91	9	100.0	184	4	US-09-513-999C-20425	Sequence 20425, A
c 92	9	100.0	195	4	US-09-252-991A-7000	Sequence 7000, Ap
c 93	9	100.0	195	4	US-09-248-796A-9565	Sequence 9565, Ap
c 94	9	100.0	198	4	US-09-107-433-337	Sequence 337, Appl
c 95	8.6	95.6	47	4	US-08-422-978-3032	Sequence 3032, Ap
c 96	8.6	95.6	107	4	US-09-513-999C-29619	Sequence 29619, A
c 97	8.6	95.6	115	4	US-09-513-999C-15984	Sequence 15984, A
c 98	8.6	95.6	163	4	US-09-621-976-12243	Sequence 12243, A
c 99	8.2	91.1	178	4	US-09-513-999C-32704	Sequence 32704, A
c 100	8	88.9	12	3	US-09-290-449-15	Sequence 15, Appl

## ALIGNMENTS

## RESULT 1

US-09-048-927-2  
; Sequence 2, Application US/09048927  
; Patent No. 6147056  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrest, Barbara A.  
; APPLICANT: Yaar, Mina  
; APPLICANT: Eller, Mark  
; TITLE OF INVENTION: Use of Locally Applied DNA Fragments  
; FILE REFERENCE: BU94-68A2  
; CURRENT APPLICATION NUMBER: US/09/048,927  
; CURRENT FILING DATE: 1998-03-26  
; EARLIER APPLICATION NUMBER: 08/952,697  
; EARLIER FILING DATE: 1996-06-03  
; EARLIER APPLICATION NUMBER: 08/467,012  
; EARLIER FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: DNA Fragment

## US-09-048-927-2

Query Match 100.0%; Score 9; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.8e+08;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 1 TAGGAGGAT 9  
|||||

## RESULT 2

US-09-398-522-22/c  
; Sequence 22, Application US/09398522  
; Patent No. 6783933  
; GENERAL INFORMATION:  
; APPLICANT: Issa, Jean-Pierre  
; TITLE OF INVENTION: CACNAIG POLYNUCLEOTIDE POLYPEPTIDE AND  
; FILE REFERENCE: JHU1590  
; CURRENT APPLICATION NUMBER: US/09/398,522  
; CURRENT FILING DATE: 1999-09-15  
; NUMBER OF SEQ ID NOS: 120  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 22  
; LENGTH: 19  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Bisulfite-PCR primer  
; NAME/KEY: misc\_feature  
; LOCATION: (0)...(0)  
; OTHER INFORMATION: r = G or A

## US-09-398-522-22

Query Match 100.0%; Score 9; DB 4; Length 19;  
Best Local Similarity 100.0%; Pred. No. 9.8e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 17 TAGGAGGAT 9  
|||||

## RESULT 3

US-09-398-522-76  
; Sequence 76, Application US/09398522  
; Patent No. 6783933  
; GENERAL INFORMATION:  
; APPLICANT: Issa, Jean-Pierre  
; TITLE OF INVENTION: CACNAIG POLYNUCLEOTIDE POLYPEPTIDE AND  
; FILE REFERENCE: JHU1590  
; CURRENT APPLICATION NUMBER: US/09/398,522  
; CURRENT FILING DATE: 1999-09-15  
; NUMBER OF SEQ ID NOS: 120  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 76  
; LENGTH: 19  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Target sequence for bisulfite-PCR primer  
; NAME/KEY: misc\_feature  
; LOCATION: (0)...(0)  
; OTHER INFORMATION: y = C or T

## US-09-398-522-76

Query Match 100.0%; Score 9; DB 4; Length 19;  
Best Local Similarity 100.0%; Pred. No. 9.8e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 3 TAGGAGGAT 11  
|||||

## RESULT 4

US-09-096-172-6  
; Sequence 6, Application US/09096172  
; Patent No. 6284252  
; GENERAL INFORMATION:  
; APPLICANT: MEHTALI, Majid  
; APPLICANT: SORG, Tania  
; TITLE OF INVENTION: NEW TRANSDOMINANT TAT VARIANTS OF THE  
; TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Burns, Doane, Swecker & Mathis  
; STREET: P.O. Box 1404  
; CITY: Alexandria  
; STATE: Virginia  
; COUNTRY: United States  
; ZIP: 22313-1404  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/096,172  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/177,145  
; FILING DATE: 04-JAN-1994  
; APPLICATION NUMBER: FR 93 00004  
; FILING DATE: 04-JAN-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Crane-Feury, Sharon E  
; REGISTRATION NUMBER: 36,113  
; REFERENCE/DOCKET NUMBER: 017753-040  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 836-6620  
; TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: mutagenesis oligonucleotide (TAT  
INDIVIDUAL ISOLATE: 451le to Ser)  
US-09-096-172-6

Query Match 100.0%; Score 9; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 9.8e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
|||||  
DB 5 TAGGAGGAT 13

## RESULT 5

US-09-422-978-6304/c  
Sequence 6304, Application US/09422978  
Patent No. 6537751  
GENERAL INFORMATION:

APPLICANT: Cohen, Daniel  
APPLICANT: Blumenfeld, Marta  
APPLICANT: Chumakov, Ilya  
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...  
FILE REFERENCE: GENSET.020CPI  
CURRENT APPLICATION NUMBER: US/09/422,978  
CURRENT FILING DATE: 1999-10-20  
EARLIER APPLICATION NUMBER: US 09/298,850  
EARLIER FILING DATE: 1999-04-21  
EARLIER APPLICATION NUMBER: US 60/109,732  
EARLIER FILING DATE: 1998-11-23  
EARLIER APPLICATION NUMBER: US 60/082,614  
EARLIER FILING DATE: 1998-04-21  
NUMBER OF SEQ ID NOS: 11796  
SEQ ID NO 6304  
LENGTH: 20

TYPE: DNA  
ORGANISM: Homo Sapiens  
FEATURE:  
NAME/KEY: primer\_bind  
LOCATION: 1..20  
OTHER INFORMATION: upstream amplification primer 99-10661 for SEQ 2370,  
US-09-422-978-6304

Query Match 100.0%; Score 9; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 9.8e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
|||||  
DB 18 TAGGAGGAT 10

## RESULT 6

US-09-422-978-9775/c  
Sequence 9775, Application US/09422978  
Patent No. 6537751  
GENERAL INFORMATION:

APPLICANT: Cohen, Daniel  
APPLICANT: Blumenfeld, Marta  
APPLICANT: Chumakov, Ilya  
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...  
FILE REFERENCE: GENSET.020CPI  
CURRENT APPLICATION NUMBER: US/09/422,978  
CURRENT FILING DATE: 1999-10-20

EARLIER APPLICATION NUMBER: US 09/298,850  
EARLIER FILING DATE: 1999-04-21  
EARLIER APPLICATION NUMBER: US 60/109,732  
EARLIER FILING DATE: 1998-11-23  
EARLIER APPLICATION NUMBER: US 60/082,614  
EARLIER FILING DATE: 1998-04-21  
NUMBER OF SEQ ID NOS: 11796  
SEQ ID NO 9775  
LENGTH: 21  
TYPE: DNA  
ORGANISM: Homo Sapiens  
FEATURE:  
NAME/KEY: primer\_bind  
LOCATION: 1..21  
OTHER INFORMATION: downstream amplification primer 99-7276 for SEQ 1910, in complemer  
US-09-422-978-9775

Query Match 100.0%; Score 9; DB 4; Length 21;  
Best Local Similarity 100.0%; Pred. No. 9.8e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
|||||  
DB 11 TAGGAGGAT 3

## RESULT 7

US-09-816-814-13/c  
Sequence 13, Application US/09816814  
Patent No. 6818406  
GENERAL INFORMATION:

APPLICANT: Goronzy, Jorg J.  
APPLICANT: Weyand, Cornelia M.  
TITLE OF INVENTION: RHEUMATOID ARTHRITIS MARKERS  
FILE REFERENCE: 07039-251001  
CURRENT APPLICATION NUMBER: US/09/816,814  
CURRENT FILING DATE: 2001-03-23  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 13  
LENGTH: 21

TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: primer for PCR  
US-09-816-814-13

Query Match 100.0%; Score 9; DB 4; Length 21;  
Best Local Similarity 100.0%; Pred. No. 9.8e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
|||||  
DB 15 TAGGAGGAT 7

## RESULT 8

US-09-240-918-9  
Sequence 9, Application US/09240918  
Patent No. 6265165  
GENERAL INFORMATION:

APPLICANT: Gruenert, Dieter C.  
APPLICANT: Xu, Zhidong  
TITLE OF INVENTION: METHODS FOR EST-SPECIFIC FULL LENGTH cDNA CLONING  
FILE REFERENCE: 480.85.1(HV)  
CURRENT APPLICATION NUMBER: US/09/240,918  
CURRENT FILING DATE: 1999-01-29  
PRIOR APPLICATION NUMBER: 60/108,183  
PRIOR FILING DATE: 1998-11-12  
NUMBER OF SEQ ID NOS: 96  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 9  
LENGTH: 22

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-09-240-918-9
```

```
Query Match      100.0%; Score 9; DB 3; Length 22;
Best Local Similarity 100.0%; Pred. No. 9.8e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 TAGGAGGAT 9
        |||||
Db      9 TAGGAGGAT 17
```

## RESULT 9

```
US-09-416-050A-15/c
; Sequence 15, Application US/09416050A
; Patent No. 6194559
; GENERAL INFORMATION:
; APPLICANT: KIM. Soo Young
; TITLE OF INVENTION: Abscisic Acid Responsive Element -Binding Transcription Factors
; FILE REFERENCE: 1942/42
; CURRENT APPLICATION NUMBER: US/09/416,050A
; PRIOR FILING DATE: 1999-10-12
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-416-050A-15
```

```
Query Match      100.0%; Score 9; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 TAGGAGGAT 9
        |||||
Db      17 TAGGAGGAT 9
```

## RESULT 10

```
US-09-664-800-15/c
; Sequence 15, Application US/09664800
; Patent No. 6218527
; GENERAL INFORMATION:
; APPLICANT: KIM. Soo Young
; TITLE OF INVENTION: Abscisic Acid Responsive Element -Binding Transcription Factors
; FILE REFERENCE: 1942/42
; CURRENT APPLICATION NUMBER: US/09/664,800
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-664-800-15
```

```
Query Match      100.0%; Score 9; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 TAGGAGGAT 9
        |||||
Db      17 TAGGAGGAT 9
```

## RESULT 11

```
US-09-665-309-15/c
```

```
; Sequence 15, Application US/09665309
; Patent No. 6232461
; GENERAL INFORMATION:
; APPLICANT: KIM. Soo Young
; TITLE OF INVENTION: Abscisic Acid Responsive Element -Binding Transcription Factors
; FILE REFERENCE: 1942/42
; CURRENT APPLICATION NUMBER: US/09/665,309
; PRIOR FILING DATE: 2000-09-19
; PRIOR FILING DATE: 1999-10-12
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-665-309-15
```

```
Query Match      100.0%; Score 9; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 TAGGAGGAT 9
        |||||
Db      17 TAGGAGGAT 9
```

## RESULT 12

```
US-09-661-569-15/c
; Sequence 15, Application US/09661569
; Patent No. 6245905
; GENERAL INFORMATION:
; APPLICANT: KIM. Soo Young
; TITLE OF INVENTION: Abscisic Acid Responsive Element -Binding Transcription Factors
; FILE REFERENCE: 1942/42
; CURRENT APPLICATION NUMBER: US/09/661,569
; PRIOR FILING DATE: 2000-09-14
; PRIOR FILING DATE: 1999-10-12
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-661-569-15
```

```
Query Match      100.0%; Score 9; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 TAGGAGGAT 9
        |||||
Db      17 TAGGAGGAT 9
```

## RESULT 13

```
US-09-980-777-13
; Sequence 13, Application US/09980777
; Patent No. 6794129
; GENERAL INFORMATION:
; APPLICANT: TELLES, Jean-No. 67941291
; APPLICANT: BRUN-VEZINET, Françoise
; APPLICANT: DESCAMPS, Diane
; TITLE OF INVENTION: Method for Testing Resistance to Antiproteases of an HIV-2 Virus
; FILE REFERENCE: 111380
; CURRENT APPLICATION NUMBER: US/09/980,777
; CURRENT FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: PCT/FR00/01728
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: FR 99/07855
; PRIOR FILING DATE: 1999-06-21
```

```
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe (position 54)
US-09-980-777-13

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 12 TAGGAGGAT 4

RESULT 16
US-09-396-196G-53922/c
; Sequence 53922, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 53922
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-53922

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 14 TAGGAGGAT 6

RESULT 17
US-09-396-196G-92449
; Sequence 92449, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 92449
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-92449

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 14 TAGGAGGAT 22
```

---

```
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe (position 54)
US-09-980-777-13

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 1 TAGGAGGAT 9

RESULT 14
US-09-396-196G-27690/c
; Sequence 27690, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 27690
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-396-196G-27690

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 18 TAGGAGGAT 10

RESULT 15
US-09-396-196G-27691/c
; Sequence 27691, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 27691
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-396-196G-27691
```

```
RESULT 18
US-09-396-196G-94038/c
; Sequence 94038, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 94038
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-94038

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 22 TAGGAGGAT 14

RESULT 19
US-09-396-196G-98060/c
; Sequence 98060, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 98060
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-98060

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 22 TAGGAGGAT 14

RESULT 20
US-09-396-196G-98061/c
; Sequence 98061, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 98061
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-98061

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 23 TAGGAGGAT 15

RESULT 21
US-09-396-196G-108085/c
; Sequence 108085, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 108085
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-108085

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 23 TAGGAGGAT 15

RESULT 22
US-09-396-196G-108086/c
; Sequence 108086, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 108086
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-108086

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 23 TAGGAGGAT 15
```



; SEQ ID NO 108086  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: mus musculus  
US-09-396-196G-108086

Query Match 100.0%; Score 9; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 9.9e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
Db 11 TAGGAGGAT 3  
|||||

RESULT 23  
US-09-396-196G-116193  
; Sequence 116193, Application US/09396196G  
; Patent No. 6821724  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: David Mack  
; APPLICANT: David Lockhart  
; APPLICANT: Affymetrix, Inc.  
; TITLE OF INVENTION: Methods of Genetic Analysis  
; FILE REFERENCE: 3101.1  
; CURRENT APPLICATION NUMBER: US/09/396,196G  
; CURRENT FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: 60/100,678  
; PRIOR FILING DATE: 1998-09-17  
; NUMBER OF SEQ ID NOS: 127806  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 116193  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: mus musculus  
US-09-396-196G-116193

Query Match 100.0%; Score 9; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 9.9e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
Db 17 TAGGAGGAT 25  
|||||

RESULT 24  
US-09-396-196G-116194  
; Sequence 116194, Application US/09396196G  
; Patent No. 6821724  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: David Mack  
; APPLICANT: David Lockhart  
; APPLICANT: Affymetrix, Inc.  
; TITLE OF INVENTION: Methods of Genetic Analysis  
; FILE REFERENCE: 3101.1  
; CURRENT APPLICATION NUMBER: US/09/396,196G  
; CURRENT FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: 60/100,678  
; PRIOR FILING DATE: 1998-09-17  
; NUMBER OF SEQ ID NOS: 127806  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 116194  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: mus musculus  
US-09-396-196G-116194

Query Match 100.0%; Score 9; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 9.9e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
Db 15 TAGGAGGAT 23  
|||||

RESULT 25  
US-09-396-196G-120708/c  
; Sequence 120708, Application US/09396196G  
; Patent No. 6821724  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: David Mack  
; APPLICANT: David Lockhart  
; APPLICANT: Affymetrix, Inc.  
; TITLE OF INVENTION: Methods of Genetic Analysis  
; FILE REFERENCE: 3101.1  
; CURRENT APPLICATION NUMBER: US/09/396,196G  
; CURRENT FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: 60/100,678  
; PRIOR FILING DATE: 1998-09-17  
; NUMBER OF SEQ ID NOS: 127806  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 120708  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: mus musculus  
US-09-396-196G-120708

Query Match 100.0%; Score 9; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 9.9e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
Db 25 TAGGAGGAT 17  
|||||

RESULT 26  
US-09-396-196G-120728/c  
; Sequence 120728, Application US/09396196G  
; Patent No. 6821724  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: David Mack  
; APPLICANT: David Lockhart  
; APPLICANT: Affymetrix, Inc.  
; TITLE OF INVENTION: Methods of Genetic Analysis  
; FILE REFERENCE: 3101.1  
; CURRENT APPLICATION NUMBER: US/09/396,196G  
; CURRENT FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: 60/100,678  
; PRIOR FILING DATE: 1998-09-17  
; NUMBER OF SEQ ID NOS: 127806  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 120728  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: mus musculus  
US-09-396-196G-120728

Query Match 100.0%; Score 9; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 9.9e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
Db 13 TAGGAGGAT 5  
|||||

RESULT 27  
US-09-396-196G-120729/c  
; Sequence 120729, Application US/09396196G

```
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 120729
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-120729

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 12 TAGGAGGAT 4

RESULT 28
US-09-396-196G-120730/c
; Sequence 120730, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 120730
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-120730

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 11 TAGGAGGAT 3

RESULT 29
US-09-396-196G-120731/c
; Sequence 120731, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
```

```
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 120731
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-120731

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 10 TAGGAGGAT 2

RESULT 30
US-09-396-196G-120735/c
; Sequence 120735, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 120735
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-120735

Query Match      100.0%; Score 9; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.9e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 13 TAGGAGGAT 5

RESULT 31
US-09-396-196G-120736/c
; Sequence 120736, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 120736
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
```

US-09-396-196G-120736

Query Match 100.0%; Score 9; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 9.9e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 12 TAGGAGGAT 4

RESULT 32

US-09-396-196G-120737/c  
; Sequence 120737, Application US/09396196G  
; Patent No. 6821724

; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: David Mack  
; APPLICANT: David Lockhart  
; APPLICANT: Affymetrix, Inc.  
; TITLE OF INVENTION: Methods of Genetic Analysis  
; FILE REFERENCE: 3101.1  
; CURRENT APPLICATION NUMBER: US/09/396,196G  
; CURRENT FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: 60/100,678  
; PRIOR FILING DATE: 1998-09-17  
; NUMBER OF SEQ ID NOS: 127806  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 120737  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: mus musculus

US-09-396-196G-120737

Query Match 100.0%; Score 9; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 9.9e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 11 TAGGAGGAT 3

RESULT 33

US-09-396-196G-120738/c  
; Sequence 120738, Application US/09396196G  
; Patent No. 6821724

; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: David Mack  
; APPLICANT: David Lockhart  
; APPLICANT: Affymetrix, Inc.  
; TITLE OF INVENTION: Methods of Genetic Analysis  
; FILE REFERENCE: 3101.1  
; CURRENT APPLICATION NUMBER: US/09/396,196G  
; CURRENT FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: 60/100,678  
; PRIOR FILING DATE: 1998-09-17  
; NUMBER OF SEQ ID NOS: 127806  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 120738  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: mus musculus

US-09-396-196G-120738

Query Match 100.0%; Score 9; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 9.9e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 10 TAGGAGGAT 2

RESULT 34

US-09-061-768A-33  
; Sequence 33, Application US/09061768A  
; Patent No. 6204037

; GENERAL INFORMATION:  
; APPLICANT: BRASH, ALAN R.  
; APPLICANT: BOEGLIN, WILLIAM E.  
; APPLICANT: JISAKA, MITSUO  
; TITLE OF INVENTION: LIPOXYGENASE PROTEINS AND NUCLEIC ACIDS  
; NUMBER OF SEQUENCES: 36  
; CORRESPONDENCE ADDRESS:

ADDRESSEE: ARLES A. TAYLOR, JR.  
STREET: SUITE 1400, UNIVERSITY TOWER, 3100 TOWER BOULEVARD  
CITY: DURHAM  
STATE: NORTH CAROLINA  
COUNTRY: USA  
ZIP: 27707

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4 MB storage  
COMPUTER: IBM PC/XT/AT compatible  
OPERATING SYSTEM: Windows 3.1

SOFTWARE: WORD PERFECT 6.1 and ASCII

CURRENT APPLICATION DATA: US/09/061,768A

APPLICATION NUMBER: US/09/061,768A

FILING DATE: APRIL 16, 1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA: NONE

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: ARLES A. TAYLOR, JR.

REGISTRATION NUMBER: 39,395

REFERENCE/DOCKET NUMBER: 1242/5

TELECOMMUNICATION INFORMATION:

TELEPHONE: (919) 493-8000

TELEFAX: (919) 419-0383

TELEX:

INFORMATION FOR SEQ ID NO: 33:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-061-768A-33

Query Match 100.0%; Score 9; DB 3; Length 28;

Best Local Similarity 100.0%; Pred. No. 9.9e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9

Db 7 TAGGAGGAT 15

RESULT 35

US-09-764-246-33

; Sequence 33, Application US/09764246

; Patent No. 6649355

; GENERAL INFORMATION:

; APPLICANT: BRASH, ALAN R.

; APPLICANT: BOEGLIN, WILLIAM E.

; APPLICANT: JISAKA, MITSUO

; TITLE OF INVENTION: LIPOXYGENASE PROTEINS AND NUCLEIC ACIDS

; NUMBER OF SEQUENCES: 36

; CORRESPONDENCE ADDRESS:

ADDRESSEE: ARLES A. TAYLOR, JR.

STREET: SUITE 1400, UNIVERSITY TOWER, 3100 TOWER BOULEVARD

CITY: DURHAM

STATE: NORTH CAROLINA

COUNTRY: USA

ZIP: 27707

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 MB storage  
COMPUTER: IBM PC/XT/AT compatible  
OPERATING SYSTEM: Windows 3.1  
SOFTWARE: WORD PERFECT 6.1 and ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/764,246  
FILING DATE: 17-Jan-2001  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: <Unknown>  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: ARLES A. TAYLOR, JR.  
REGISTRATION NUMBER: 39,395  
REFERENCE/DOCKET NUMBER: 1242/5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (919) 493-8000  
TELEFAX: (919) 419-0383  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 33:  
US-09-764-246-33

Query Match 100.0%; Score 9; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 9.9e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 7 TAGGAGGAT 15

RESULT 36  
US-08-310-356-20/c  
Sequence 20, Application US/08310356  
Patent No. 5648243  
GENERAL INFORMATION:  
APPLICANT: Hurwitz, David R  
APPLICANT: Nathan, Margaret  
APPLICANT: Shani, Moshe  
TITLE OF INVENTION: Transgenic Protein Production  
NUMBER OF SEQUENCES: 36  
CORRESPONDENCE ADDRESS:  
- ADDRESSEE: Rhone-Poulenc Rorer Legal Department  
STREET: 500 Arcola Road  
CITY: Collegeville  
STATE: PA  
COUNTRY: USA  
ZIP: 19426  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Macintosh  
OPERATING SYSTEM: Macintosh System 7.0  
SOFTWARE: Microsoft Word Version 5.0 (PatentIn)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/310,356  
FILING DATE:  
CLASSIFICATION: 800  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/737,853  
FILING DATE: 31-JUL-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Goodman, Rosanne  
REGISTRATION NUMBER: 32,534  
REFERENCE/DOCKET NUMBER: A0856  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 454-3817

TELEFAX: (215) 454-3808  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-310-356-20

Query Match 100.0%; Score 9; DB 1; Length 29;  
Best Local Similarity 100.0%; Pred. No. 9.9e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 23 TAGGAGGAT 15

RESULT 37  
US-09-019-793A-105/c  
Sequence 105, Application US/09019793A  
Patent No. 6380376  
GENERAL INFORMATION:  
APPLICANT: PAUL, Prem  
APPLICANT: MENG, Xiang-Jin  
APPLICANT: MOROZOV, Igor  
APPLICANT: HALBUR, Patrick  
TITLE OF INVENTION: PROTEINS ENCODED BY POLYNUCLEIC ACIDS OF PORCINE  
FILE REFERENCE: 4625-0039-55X CIP  
CURRENT APPLICATION NUMBER: US/09/019,793A  
CURRENT FILING DATE: 1998-02-06  
PRIOR APPLICATION NUMBER: 08/478,316  
PRIOR FILING DATE: 1995-06-07  
PRIOR APPLICATION NUMBER: 08/301,435  
PRIOR FILING DATE: 1994-09-01  
PRIOR APPLICATION NUMBER: 08/131,625  
PRIOR FILING DATE: 1993-10-05  
PRIOR APPLICATION NUMBER: 07/969,071  
PRIOR FILING DATE: 1992-10-30  
NUMBER OF SEQ ID NOS: 108  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 105  
LENGTH: 30  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA  
US-09-019-793A-105

Query Match 100.0%; Score 9; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 15 TAGGAGGAT 7

RESULT 38  
US-09-601-326-43/c  
Sequence 43, Application US/09601326  
Patent No. 6773908  
GENERAL INFORMATION:  
APPLICANT: PAUL DR, PREM S  
APPLICANT: ZHANG, YANJIN  
TITLE OF INVENTION: PROTEINS ENCODED BY POLYNUCLEIC ACIDS OF PORCINE  
FILE REFERENCE: 8199-0005-55X CIP WO  
CURRENT APPLICATION NUMBER: US/09/601,326  
CURRENT FILING DATE: 2000-09-25  
PRIOR APPLICATION NUMBER: PCT/US99/02630  
PRIOR FILING DATE: 1999-04-19

;; PRIOR APPLICATION NUMBER: US 09/019,793  
;; PRIOR FILING DATE: 1998-02-06  
;; PRIOR APPLICATION NUMBER: US 08/478,316  
;; PRIOR FILING DATE: 1995-06-07  
;; PRIOR APPLICATION NUMBER: US 08/301,435  
;; PRIOR FILING DATE: 1994-09-01  
;; PRIOR APPLICATION NUMBER: US 08/131,625  
;; PRIOR FILING DATE: 1993-10-05  
;; PRIOR APPLICATION NUMBER: US 07/969,071  
;; PRIOR FILING DATE: 1992-10-30  
;; NUMBER OF SEQ ID NOS: 175  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 43  
;; LENGTH: 30  
;; TYPE: DNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA  
US-09-601-326-43

Query Match 100.0%; Score 9; DB 4; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 15 TAGGAGGAT 7

RESULT 39  
US-08-189-256A-46/c  
; Sequence 46, Application US/08189256A  
; Patent No. 5877402  
; GENERAL INFORMATION:  
; APPLICANT: Maliga, Pal  
; APPLICANT: Svab, Zora  
; APPLICANT: Staub, Jeffrey  
; APPLICANT: Zoubenko, Oleg V.  
; APPLICANT: Allison, Lori A.  
; APPLICANT: Carrier, Helaine  
; APPLICANT: Kanevski, Ivan  
; TITLE OF INVENTION: DNA Constructs and Methods for Stably  
; TITLE OF INVENTION: Transforming Plasmids of Multicellular Plants and  
; TITLE OF INVENTION: Expressing Recombinant Proteins Therein  
; NUMBER OF SEQUENCES: 47  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Dann, Dorfman, Herrell and Skillman  
; STREET: 1601 Market Street Suite 720  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103-2307  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; FILING DATE: 31-JAN-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/111,398  
; FILING DATE: 25-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/518,763  
; FILING DATE: 01-MAY-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Reed, Janet E.  
; REGISTRATION NUMBER: 36,252  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 563-4100  
; TELEFAX: (215) 563-4044

;; INFORMATION FOR SEQ ID NO: 46:  
;; SEQUENCE CHARACTERISTICS:  
; LENGTH: 33 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-189-256A-46

Query Match 100.0%; Score 9; DB 2; Length 33;  
Best Local Similarity 100.0%; Pred. No. 1e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
Db 27 TAGGAGGAT 19

RESULT 40  
US-09-193-853-46/c  
; Sequence 46, Application US/09193853  
; Patent No. 6388168  
; GENERAL INFORMATION:  
; APPLICANT: Maliga, Pal  
; APPLICANT: Svab, Zora  
; APPLICANT: Staub, Jeffrey  
; APPLICANT: Zoubenko, Oleg V.  
; APPLICANT: Allison, Lori A.  
; APPLICANT: Carrier, Helaine  
; APPLICANT: Kanevski, Ivan  
; TITLE OF INVENTION: DNA Constructs and Methods for Stably  
; TITLE OF INVENTION: Transforming Plasmids of Multicellular Plants and  
; TITLE OF INVENTION: Expressing Recombinant Proteins Therein  
; NUMBER OF SEQUENCES: 47  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Dann, Dorfman, Herrell and Skillman  
; STREET: 1601 Market Street Suite 720  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103-2307  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/193,853  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/189,256  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/518,763  
; FILING DATE: 01-MAY-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Reed, Janet E.  
; REGISTRATION NUMBER: 36,252  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 563-4100  
; TELEFAX: (215) 563-4044  
; INFORMATION FOR SEQ ID NO: 46:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 33 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO

US-09-193-853-46

Query Match 100.0%; Score 9; DB 3; Length 33;  
Best Local Similarity 100.0%; Pred. No. 1e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
| | | | |  
Db 27 TAGGAGGAT 19

Search completed: July 12, 2005, 21:41:25  
Job time : 55.0886 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 18:12:19 ; Search time 254.392 Seconds  
(without alignments)  
222.117 Million cell updates/sec

Title: US-09-540-843-2

Perfect score: 9

Sequence: 1 taggagat 9

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 6330945 seqs, 3139162390 residues

Total number of hits satisfying chosen parameters: 7146590

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Published Applications NA:\*

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3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*  
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6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq.\*  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq.\*  
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9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq.\*  
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11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq.\*  
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21: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq.\*  
22: /cgn2\_6/ptodata/2/pubpna/US10J\_NEW\_PUB.seq.\*  
23: /cgn2\_6/ptodata/2/pubpna/US11A\_PUBCOMB.seq.\*  
24: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*  
25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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2	9	100.0	9	14	US-10-122-633-2
3	9	100.0	10	16	US-10-223-765-202
4	9	100.0	12	20	US-10-257-017B-271134
5	9	100.0	12	20	US-10-257-017B-279026
6	9	100.0	12	20	US-10-257-017B-283661
7	9	100.0	12	20	US-10-257-017B-286795
Sequence 2, Appli					
Sequence 2, Appli					
Sequence 202, App					
Sequence 271134,					
Sequence 279026,					
Sequence 283661,					
Sequence 286795,					

c	8	9	100.0	12	20	US-10-257-017B-295564	Sequence 295564,
	9	9	100.0	12	20	US-10-257-017B-299027	Sequence 299027,
10		9	100.0	12	20	US-10-257-017B-306420	Sequence 306420,
11		9	100.0	12	20	US-10-257-017B-314625	Sequence 314625,
12		9	100.0	12	20	US-10-257-017B-316022	Sequence 316022,
c	13	9	100.0	12	20	US-10-257-017B-338584	Sequence 338584,
c	14	9	100.0	12	20	US-10-257-017B-339176	Sequence 339176,
15		9	100.0	12	20	US-10-257-017B-340374	Sequence 340374,
c	16	9	100.0	12	20	US-10-257-017B-375136	Sequence 375136,
c	17	9	100.0	12	20	US-10-257-017B-376139	Sequence 376139,
18		9	100.0	12	20	US-10-257-017B-378060	Sequence 378060,
c	19	9	100.0	12	20	US-10-257-017B-380205	Sequence 380205,
c	20	9	100.0	13	20	US-10-257-017B-6159	Sequence 6159, App
c	21	9	100.0	13	20	US-10-257-017B-6160	Sequence 6160, App
22		9	100.0	13	20	US-10-257-017B-20923	Sequence 20923, A
c	23	9	100.0	13	20	US-10-257-017B-20924	Sequence 20924, A
24		9	100.0	13	20	US-10-257-017B-40333	Sequence 40333, A
c	25	9	100.0	13	20	US-10-257-017B-40334	Sequence 40334, A
26		9	100.0	13	20	US-10-257-017B-54941	Sequence 54941, A
c	27	9	100.0	13	20	US-10-257-017B-54942	Sequence 54942, A
28		9	100.0	13	20	US-10-257-017B-72189	Sequence 72189, A
c	29	9	100.0	13	20	US-10-257-017B-72190	Sequence 72190, A
30		9	100.0	13	20	US-10-257-017B-84907	Sequence 84907, A
c	31	9	100.0	13	20	US-10-257-017B-84908	Sequence 84908, A
32		9	100.0	13	20	US-10-257-017B-118049	Sequence 118049,
c	33	9	100.0	13	20	US-10-257-017B-118050	Sequence 118050,
34		9	100.0	13	20	US-10-257-017B-128783	Sequence 128783,
c	35	9	100.0	13	20	US-10-257-017B-128784	Sequence 128784,
36		9	100.0	13	20	US-10-257-017B-166363	Sequence 166363,
c	37	9	100.0	13	20	US-10-257-017B-166364	Sequence 166364,
38		9	100.0	13	20	US-10-257-017B-192849	Sequence 192849,
c	39	9	100.0	13	20	US-10-257-017B-192850	Sequence 192850,
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c	41	9	100.0	13	20	US-10-257-017B-201790	Sequence 201790,
42		9	100.0	13	20	US-10-257-017B-216341	Sequence 216341,
c	43	9	100.0	13	20	US-10-257-017B-216342	Sequence 216342,
44		9	100.0	13	20	US-10-257-017B-231989	Sequence 231989,
c	45	9	100.0	13	20	US-10-257-017B-231990	Sequence 231990,
46		9	100.0	13	20	US-10-257-017B-240467	Sequence 240467,
c	47	9	100.0	13	20	US-10-257-017B-240468	Sequence 240468,
48		9	100.0	13	20	US-10-257-017B-246659	Sequence 246659,
c	49	9	100.0	13	20	US-10-257-017B-246660	Sequence 246660,
50		9	100.0	13	20	US-10-257-017B-253579	Sequence 253579,
c	51	9	100.0	13	20	US-10-257-017B-253580	Sequence 253580,
52		9	100.0	13	20	US-10-257-017B-254799	Sequence 254799,
c	53	9	100.0	13	20	US-10-257-017B-254800	Sequence 254800,
54		9	100.0	13	20	US-10-257-017B-262049	Sequence 262049,
c	55	9	100.0	13	20	US-10-257-017B-262050	Sequence 262050,
56		9	100.0	13	20	US-10-257-017B-262995	Sequence 262995,
c	57	9	100.0	13	20	US-10-257-017B-262996	Sequence 262996,
58		9	100.0	16	10	US-09-882-945A-169	Sequence 169, App
c	59	9	100.0	16	20	US-10-807-114-169	Sequence 169, App
60		9	100.0	17	16	US-10-340-192-22	Sequence 22, Appl
c	61	9	100.0	17	16	US-10-339-793-97	Sequence 97, Appl
62		9	100.0	19	21	US-10-930-301-22	Sequence 22, Appl
c	63	9	100.0	19	21	US-10-930-301-76	Sequence 76, Appl
64		9	100.0	20	9	US-09-766-154-19	Sequence 19, Appl
c	65	9	100.0	20	10	US-09-828-344-162	Sequence 162, App
66		9	100.0	20	10	US-09-828-344-163	Sequence 163, App
c	67	9	100.0	20	10	US-09-828-344-164	Sequence 164, App
68		9	100.0	20	15	US-10-006-191-104	Sequence 104, App
c	69	9	100.0	20	17	US-10-277-216-200	Sequence 200, App
70		9	100.0	20	17	US-10-349-143-6304	Sequence 6304, Ap
c	71	9	100.0	20	17	US-10-126-022-200	Sequence 200, App
72		9	100.0	20	18	US-10-280-183A-484	Sequence 484, App
c	73	9	100.0	21	10	US-10-946-914-104	Sequence 104, App
74		9	100.0	21	10	US-09-816-814-13	Sequence 13, Appl
c	75	9	100.0	21	16	US-10-160-764-17	Sequence 17, Appl
76		9	100.0	21	16	US-10-165-099-341	Sequence 341, App
c	77	9	100.0	21	17	US-10-349-143-9775	Sequence 9775, App
78		9	100.0	21	17	US-10-229-541A-23	Sequence 23, Appl
c	79	9	100.0	21	19	US-10-786-720-11356	Sequence 11356, A
80		9	100.0	21	19	US-10-786-720-11357	Sequence 11357, A

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## ALIGNMENTS

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RESULT 1
US-10-122-630-2
; Sequence 2, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Eller, Mark S.
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 0054.1088-018
; CURRENT APPLICATION NUMBER: US/10/122,630
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-2
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Query Match 100.0%; Score 9; DB 14; Length 9;
Best Local Similarity 100.0%; Pred. No. 6.9e+08;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 TAGGAGGAT 9
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Db 1 TAGGAGGAT 9
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RESULT 2
US-10-122-633-2
; Sequence 2, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
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Sequence 11358, A
Sequence 11359, A
Sequence 11360, A
Sequence 11361, A
Sequence 11362, A
Sequence 11364, A
Sequence 11449, A
Sequence 11450, A
Sequence 11451, A
Sequence 20851, A
Sequence 20852, A
Sequence 20853, A
Sequence 21292, A
Sequence 21293, A
Sequence 21294, A
Sequence 21595, A
Sequence 21596, A
Sequence 21597, A
Sequence 49177, A
Sequence 49178, A
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```
; APPLICANT: Eller, Mark S.
; APPLICANT: Yaar, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 0054.1088-019
; CURRENT APPLICATION NUMBER: US/10/122,633
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-2
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Query Match 100.0%; Score 9; DB 14; Length 9;
Best Local Similarity 100.0%; Pred. No. 6.9e+08;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 TAGGAGGAT 9
| | | | |
Db 1 TAGGAGGAT 9
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US-10-223-765-202
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; Publication No. US20030165997A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jin-Soo
; APPLICANT: Bae, Kwang-Hee
; APPLICANT: Park, Kyung-Soon
; APPLICANT: Kwon, Young Do
; APPLICANT: Ryu, Eun-Hyun
; APPLICANT: Hwang, Moon-Sun
; TITLE OF INVENTION: ZINC FINGER DOMAIN LIBRARIES
; FILE REFERENCE: 12279-005001
; CURRENT APPLICATION NUMBER: US/10/223,765
; CURRENT FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: 60/374,355
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 60/313,402
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 202
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetically generated oligonucleotide
US-10-223-765-202
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Best Local Similarity 100.0%; Pred. No. 7.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 TAGGAGGAT 9
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Db 2 TAGGAGGAT 10
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RESULT 4
US-10-257-017B-273134
; Sequence 273134, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273134
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003058
US-10-257-017B-273134

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Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 3 TAGGAGGAT 11

RESULT 5
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; Sequence 279026, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279026
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006799
US-10-257-017B-279026

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 12 TAGGAGGAT 4

RESULT 6
US-10-257-017B-283661
; Sequence 283661, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283661
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011446
US-10-257-017B-283661

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 3 TAGGAGGAT 11

RESULT 7
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; Sequence 286795, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 286795
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012825
US-10-257-017B-286795

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 9 TAGGAGGAT 1

RESULT 8
US-10-257-017B-295564
; Sequence 295564, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 295564
; LENGTH: 12
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0016640
US-10-257-017B-295564

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 4 TAGGAGGAT 12

RESULT 9
US-10-257-017B-299027/c
; Sequence 299027, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 299027
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018404
US-10-257-017B-299027

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 12 TAGGAGGAT 4

RESULT 10
US-10-257-017B-306420
; Sequence 306420, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306420
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022000
US-10-257-017B-306420

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
```

```
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 1 TAGGAGGAT 9

RESULT 11
US-10-257-017B-314625
; Sequence 314625, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 314625
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026468
US-10-257-017B-314625

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 4 TAGGAGGAT 12

RESULT 12
US-10-257-017B-316022
; Sequence 316022, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 316022
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027234
US-10-257-017B-316022

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 2 TAGGAGGAT 10
```

```
RESULT 13
US-10-257-017B-338584/c
; Sequence 338584, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338584
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040564
US-10-257-017B-338584

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
DB      12 TAGGAGGAT 4

RESULT 14
US-10-257-017B-339176/c
; Sequence 339176, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 339176
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040884
US-10-257-017B-339176

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
DB      12 TAGGAGGAT 4

RESULT 15
US-10-257-017B-340374
; Sequence 340374, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 340374
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041493
US-10-257-017B-340374

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
DB      1 TAGGAGGAT 9

RESULT 16
US-10-257-017B-375136/c
; Sequence 375136, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375136
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061083
US-10-257-017B-375136

Query Match      100.0%; Score 9; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
DB      11 TAGGAGGAT 3

RESULT 17
US-10-257-017B-376139/c
; Sequence 376139, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 376139  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061637  
US-10-257-017B-376139

Query Match 100.0%; Score 9; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
| | | | | | | |  
Db 12 TAGGAGGAT 4

## RESULT 18

US-10-257-017B-378060  
; Sequence 378060, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 378060  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062608  
US-10-257-017B-378060

Query Match 100.0%; Score 9; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
| | | | | | | |  
Db 4 TAGGAGGAT 12

## RESULT 19

US-10-257-017B-380205/c  
; Sequence 380205, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 380205  
; LENGTH: 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001590  
US-10-257-017B-380205

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001590  
US-10-257-017B-380205

Query Match 100.0%; Score 9; DB 20; Length 12;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
| | | | | | | |  
Db 10 TAGGAGGAT 2

## RESULT 20

US-10-257-017B-6159  
; Sequence 6159, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 6159  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001935  
US-10-257-017B-6159

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
| | | | | | | |  
Db 4 TAGGAGGAT 12

## RESULT 21

US-10-257-017B-6160/c  
; Sequence 6160, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 6160  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001935  
US-10-257-017B-6160

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
|||||  
Db 10 TAGGAGGAT 2

## RESULT 22

US-10-257-017B-20923  
; Sequence 20923, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 20923  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004246  
US-10-257-017B-20923

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
|||||  
Db 2 TAGGAGGAT 10

## RESULT 23

US-10-257-017B-20924/c  
; Sequence 20924, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 20924  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004246  
US-10-257-017B-20924

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
|||||  
Db 12 TAGGAGGAT 4

## RESULT 24

US-10-257-017B-40333

; Sequence 40333, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 40333  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012244  
US-10-257-017B-40333

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
|||||  
Db 1 TAGGAGGAT 9

## RESULT 25

US-10-257-017B-40334/c  
; Sequence 40334, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 40334  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012244  
US-10-257-017B-40334

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
|||||  
Db 13 TAGGAGGAT 5

## RESULT 26

US-10-257-017B-54941  
; Sequence 54941, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 54941  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015046  
US-10-257-017B-54941

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
| | | | |  
Db 3 TAGGAGGAT 11

## RESULT 27

US-10-257-017B-54942/c  
; Sequence 54942, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 54942  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015046  
US-10-257-017B-54942

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
| | | | |  
Db 11 TAGGAGGAT 3

## RESULT 28

US-10-257-017B-72189  
; Sequence 72189, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 72189  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018653  
US-10-257-017B-72189

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
| | | | |  
Db 1 TAGGAGGAT 9

## RESULT 29

US-10-257-017B-72190/c  
; Sequence 72190, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 72190  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018653  
US-10-257-017B-72190

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9  
| | | | |  
Db 13 TAGGAGGAT 5

## RESULT 30

US-10-257-017B-84907  
; Sequence 84907, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 84907  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021360  
US-10-257-017B-84907

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
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Db 3 TAGGAGGAT 11

RESULT 31  
US-10-257-017B-84908/c  
; Sequence 84908, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 84908  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021360  
US-10-257-017B-84908

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
|||||  
Db 11 TAGGAGGAT 3

RESULT 32  
US-10-257-017B-118049  
; Sequence 118049, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 118049  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029521  
US-10-257-017B-118049

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
|||||

Db 4 TAGGAGGAT 12

RESULT 33  
US-10-257-017B-118050/c  
; Sequence 118050, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 118050  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029521  
US-10-257-017B-118050

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
|||||  
Db 10 TAGGAGGAT 2

RESULT 34  
US-10-257-017B-128783  
; Sequence 128783, Application US/10257017B  
; Publication No. US20040241651A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Christian Piepenbrock  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine  
; FILE REFERENCE: E01/1193/WO  
; CURRENT APPLICATION NUMBER: US/10/257,017B  
; CURRENT FILING DATE: 2002-10-07  
; PRIOR FILING DATE: 2000-04-07  
; NUMBER OF SEQ ID NOS: 382046  
; SEQ ID NO 128783  
; LENGTH: 13  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032242  
US-10-257-017B-128783

Query Match 100.0%; Score 9; DB 20; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7e+04;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9  
|||||  
Db 2 TAGGAGGAT 10

RESULT 35  
US-10-257-017B-128784/c  
; Sequence 128784, Application US/10257017B  
; Publication No. US20040241651A1

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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128784
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032242
US-10-257-017B-128784

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 12 TAGGAGGAT 4

RESULT 36
US-10-257-017B-166363
; Sequence 166363, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 166363
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006798
US-10-257-017B-166363

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 2 TAGGAGGAT 10

RESULT 37
US-10-257-017B-166364/c
; Sequence 166364, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 166364
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006798
US-10-257-017B-166364

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 12 TAGGAGGAT 4

RESULT 38
US-10-257-017B-192849
; Sequence 192849, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 192849
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005223
US-10-257-017B-192849

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 4 TAGGAGGAT 12

RESULT 39
US-10-257-017B-192850/c
; Sequence 192850, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 192850
; LENGTH: 13
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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005223
US-10-257-017B-192850

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 10 TAGGAGGAT 2

RESULT 40
US-10-257-017B-201789
; Sequence 201789, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201789
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049618
US-10-257-017B-201789

Query Match      100.0%; Score 9; DB 20; Length 13;
Best Local Similarity 100.0%; Pred. No. 7e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 2 TAGGAGGAT 10

Search completed: July 13, 2005, 04:11:12
Job time : 258.392 secs
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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2005, 15:44:02 ; Search time 29.4937 Seconds

(Without alignments)  
277.395 Million cell updates/sec

Title: US-09-540-843-4

Perfect score: 5

Sequence: 1 gtag 5

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1407054

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Issued Patents NA:\*

1: /cgn2\_6/ptodata/1/ina/5A.COMB.seq:\*

2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq:\*

3: /cgn2\_6/ptodata/1/ina/6A.COMB.seq:\*

4: /cgn2\_6/ptodata/1/ina/6B.COMB.seq:\*

5: /cgn2\_6/ptodata/1/ina/PCTUS.COMB.seq:\*

6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	5	100.0	5	3	US-08-855-372B-20
2	5	100.0	5	3	US-09-048-927-4
3	5	100.0	5	3	US-09-498-851-20
C 4	5	100.0	7	1	US-08-613-170-10
C 5	5	100.0	7	1	US-08-615-170-12
6	5	100.0	7	3	US-09-048-927-3
C 7	5	100.0	8	4	US-09-142-593-11
C 8	5	100.0	8	4	US-09-927-886-17
9	5	100.0	9	2	US-08-583-276-1
10	5	100.0	9	3	US-08-646-789A-8
11	5	100.0	9	3	US-08-646-789A-80
12	5	100.0	9	3	US-09-048-927-1
C 13	5	100.0	9	3	US-09-319-648-68
C 14	5	100.0	9	4	US-10-096-596-32
15	5	100.0	10	1	US-09-263-790-37
16	5	100.0	10	1	US-09-721-777-19
17	5	100.0	10	1	US-08-335-565A-27
C 18	5	100.0	10	1	US-08-250-951-1
C 19	5	100.0	10	1	US-08-232-233-1
C 20	5	100.0	10	1	US-08-222-177A-422
21	5	100.0	10	1	US-08-351-748-23
22	5	100.0	10	1	US-08-351-748-25
C 23	5	100.0	10	1	US-08-202-927-25
24	5	100.0	10	1	US-08-430-536A-23
25	5	100.0	10	1	US-08-430-536A-25
26	5	100.0	10	1	US-08-171-718-45
C 27	5	100.0	10	2	US-08-703-601-1

28	5	100.0	10	2	US-08-684-547-23	Sequence 23, Appl
29	5	100.0	10	2	US-08-684-547-25	Sequence 25, Appl
30	5	100.0	10	3	US-08-469-318-174	Sequence 174, Appl
31	5	100.0	10	3	US-08-468-609A-174	Sequence 174, Appl
32	5	100.0	10	3	US-08-478-087-45	Sequence 45, Appl
C 33	5	100.0	10	3	US-09-063-450-24	Sequence 24, Appl
34	5	100.0	10	3	US-09-063-450-33	Sequence 33, Appl
C 35	5	100.0	10	3	US-09-123-638-1	Sequence 1, Appl
36	5	100.0	10	3	US-08-646-695-30	Sequence 30, Appl
37	5	100.0	10	3	US-08-875-533-31	Sequence 31, Appl
38	5	100.0	10	3	US-08-446-872A-174	Sequence 174, Appl
C 39	5	100.0	10	3	US-09-724-753-1	Sequence 1, Appl
40	5	100.0	10	3	US-08-762-227A-174	Sequence 174, Appl
41	5	100.0	10	4	US-09-475-947A-23	Sequence 23, Appl
42	5	100.0	10	4	US-09-427-834A-34	Sequence 34, Appl
C 43	5	100.0	10	4	US-09-445-388A-7	Sequence 7, Appl
44	5	100.0	10	4	US-09-508-753B-252	Sequence 252, Appl
C 45	5	100.0	10	4	US-09-508-753B-265	Sequence 265, Appl
46	5	100.0	10	4	US-09-508-753B-273	Sequence 273, Appl
C 47	5	100.0	10	4	US-09-508-753B-278	Sequence 278, Appl
48	5	100.0	10	4	US-09-508-753B-294	Sequence 294, Appl
49	5	100.0	10	4	US-09-508-753B-303	Sequence 303, Appl
C 50	5	100.0	10	4	US-09-508-753B-342	Sequence 342, Appl
51	5	100.0	10	4	US-09-508-753B-396	Sequence 396, Appl
C 52	5	100.0	10	4	US-09-508-753B-405	Sequence 405, Appl
53	5	100.0	10	4	US-09-508-753B-406	Sequence 406, Appl
C 54	5	100.0	10	4	US-09-508-753B-415	Sequence 415, Appl
C 55	5	100.0	10	4	US-09-508-753B-419	Sequence 419, Appl
C 56	5	100.0	10	4	US-09-508-753B-445	Sequence 445, Appl
C 57	5	100.0	10	4	US-09-508-753B-447	Sequence 447, Appl
C 58	5	100.0	10	4	US-09-508-753B-455	Sequence 455, Appl
C 59	5	100.0	10	4	US-09-508-753B-458	Sequence 458, Appl
C 60	5	100.0	10	4	US-09-508-753B-459	Sequence 459, Appl
61	5	100.0	10	4	US-09-508-753B-467	Sequence 467, Appl
62	5	100.0	10	4	US-09-489-855-11	Sequence 11, Appl
C 63	5	100.0	10	4	US-09-489-855-12	Sequence 12, Appl
C 64	5	100.0	10	4	US-09-822-250A-16	Sequence 16, Appl
65	5	100.0	10	4	US-09-889-611A-31	Sequence 31, Appl
66	5	100.0	10	4	US-09-889-611A-43	Sequence 43, Appl
C 67	5	100.0	10	4	US-10-034-350A-16	Sequence 16, Appl
C 68	5	100.0	10	5	PCT-US92-09827-1	Sequence 1, Appl
C 69	5	100.0	10	5	PCT-US95-01185-174	Sequence 174, Appl
C 70	5	100.0	10	5	PCT-US95-02419-25	Sequence 25, Appl
C 71	5	100.0	10	5	PCT-US96-06053-30	Sequence 30, Appl
C 72	5	100.0	10	6	5198343-3	Patent No. 5198343
C 73	5	100.0	10	6	5198343-3	Patent No. 5198343
74	5	100.0	11	1	US-08-401-512-19	Sequence 19, Appl
75	5	100.0	11	1	US-08-147-696E-4	Sequence 4, Appl
76	5	100.0	11	1	US-08-696-139-6	Sequence 6, Appl
77	5	100.0	11	1	US-08-484-334-4	Sequence 4, Appl
C 78	5	100.0	11	2	US-08-441-887A-82	Sequence 82, Appl
C 79	5	100.0	11	2	US-08-441-887A-151	Sequence 151, Appl
C 80	5	100.0	11	2	US-08-812-994-1	Sequence 1, Appl
81	5	100.0	11	2	US-08-715-461-9	Sequence 9, Appl
82	5	100.0	11	3	US-09-013-092-4	Sequence 4, Appl
83	5	100.0	11	3	US-09-280-399-4	Sequence 4, Appl
C 84	5	100.0	11	3	US-09-157-257-21	Sequence 21, Appl
C 85	5	100.0	11	3	US-09-157-257-34	Sequence 34, Appl
C 86	5	100.0	11	3	US-08-477-831C-33	Sequence 33, Appl
C 87	5	100.0	11	4	US-09-249-155A-125	Sequence 125, Appl
C 88	5	100.0	11	4	US-09-269-006-1	Sequence 1, Appl
89	5	100.0	11	4	US-09-320-080-1	Sequence 1, Appl
C 90	5	100.0	12	1	US-07-990-297-8	Sequence 8, Appl
91	5	100.0	12	1	US-07-704-288C-18	Sequence 18, Appl
92	5	100.0	12	1	US-08-035-928-5	Sequence 5, Appl
93	5	100.0	12	1	US-08-035-928-7	Sequence 7, Appl
94	5	100.0	12	1	US-08-586-120-9	Sequence 9, Appl
95	5	100.0	12	1	US-08-254-355-9	Sequence 9, Appl
96	5	100.0	12	1	US-08-297-808A-3	Sequence 3, Appl
97	5	100.0	12	1	US-08-379-259-18	Sequence 18, Appl
98	5	100.0	12	1	US-08-608-881A-21	Sequence 21, Appl
99	5	100.0	12	1	US-08-667-023-5	Sequence 5, Appl
100	5	100.0	12	2	US-08-441-887A-59	Sequence 59, Appl

## ALIGNMENTS

```
RESULT 1
US-08-855-372B-20
; Sequence 20, Application US/08855372B
; Patent No. 6090549
; GENERAL INFORMATION:
; APPLICANT: Mirzabekov, Andrei D
; APPLICANT: Parinov, Sergei V
; APPLICANT: Barsky, Victor E
; APPLICANT: Kirillov, Eugene V
; APPLICANT: Dubiley, Svetlana A
; TITLE OF INVENTION: Use of Continuous/Contiguous Stacking Hybridization as a Diagnostic Tool
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHERSKOV & FLAYNIK
; STREET: 20 N. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.50 inch, 1.4 MB storage
; COMPUTER: PC
; OPERATING SYSTEM: Microsoft Windows 98
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/855.372B
; FILING DATE: 13-MAY-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 08/587,332
; FILING DATE: 16-JAN-96
; ATTORNEY/AGENT INFORMATION:
; NAME: Cherskov, Michael J.
; REGISTRATION NUMBER: 33,664
; REFERENCE/DOCKET NUMBER: ANL-IN-95-027
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 621-1330
; TELEFAX: (312) 621-0088
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 bases
; TYPE: nucleic acid
; STRANDEDNESS: No. 6090549 Applicable
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; HYPOTHETICAL: yes
US-08-855-372B-20

Query Match 100.0%; Score 5; DB 3; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 1 GTATG 5

RESULT 2
US-09-048-927-4
; Sequence 4, Application US/09048927
; Patent No. 6147056
; GENERAL INFORMATION:
; APPLICANT: Gilchrest, Barbara A.
; APPLICANT: Yaar, Mina
; APPLICANT: Eller, Mark
; TITLE OF INVENTION: Use of Locally Applied DNA Fragments
; FILE REFERENCE: BU94-68A2
; CURRENT APPLICATION NUMBER: US/09/048.927
; CURRENT FILING DATE: 1998-03-26

US-09-048-927-4
; Sequence 4, Application US/09048927
; Patent No. 6147056
; GENERAL INFORMATION:
; APPLICANT: Mirzabekov, Andrei D
; APPLICANT: Parinov, Sergei V
; APPLICANT: Barsky, Victor E
; APPLICANT: Kirillov, Eugene V
; APPLICANT: Dubiley, Svetlana A
; TITLE OF INVENTION: Use of Continuous/Contiguous Stacking Hybridization as a Diagnostic Tool
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHERSKOV & FLAYNIK
; STREET: 20 N. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.50 inch, 1.4 MB storage
; COMPUTER: PC
; OPERATING SYSTEM: Microsoft Windows 98
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/498.851
; FILING DATE: 16-JAN-96
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/855,372
; FILING DATE: 13-MAY-97
; APPLICATION NUMBER: U.S. 08/587,332
; FILING DATE: 16-JAN-96
; ATTORNEY/AGENT INFORMATION:
; NAME: Cherskov, Michael J.
; REGISTRATION NUMBER: 33,664
; REFERENCE/DOCKET NUMBER: ANL-IN-95-027
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 621-1330
; TELEFAX: (312) 621-0088
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 bases
; TYPE: nucleic acid
; STRANDEDNESS: No. 6440671 Applicable
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; HYPOTHETICAL: yes
US-09-498-851-20

Query Match 100.0%; Score 5; DB 3; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 1 GTATG 5

RESULT 3
US-09-498-851-20
; Sequence 20, Application US/09498851
; Patent No. 6440671
; GENERAL INFORMATION:
; APPLICANT: Mirzabekov, Andrei D
; APPLICANT: Parinov, Sergei V
; APPLICANT: Barsky, Victor E
; APPLICANT: Kirillov, Eugene V
; APPLICANT: Dubiley, Svetlana A
; TITLE OF INVENTION: Use of Continuous/Contiguous Stacking Hybridization as a Diagnostic Tool
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHERSKOV & FLAYNIK
; STREET: 20 N. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.50 inch, 1.4 MB storage
; COMPUTER: PC
; OPERATING SYSTEM: Microsoft Windows 98
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/498.851
; FILING DATE: 16-JAN-96
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/855,372
; FILING DATE: 13-MAY-97
; APPLICATION NUMBER: U.S. 08/587,332
; FILING DATE: 16-JAN-96
; ATTORNEY/AGENT INFORMATION:
; NAME: Cherskov, Michael J.
; REGISTRATION NUMBER: 33,664
; REFERENCE/DOCKET NUMBER: ANL-IN-95-027
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 621-1330
; TELEFAX: (312) 621-0088
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 bases
; TYPE: nucleic acid
; STRANDEDNESS: No. 6440671 Applicable
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; HYPOTHETICAL: yes
US-09-498-851-20
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Query Match 100.0%; Score 5; DB 3; Length 5;  
Best Local Similarity 100.0%; Pred. No. 3e+08; Indels 0;  
Matches 5; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 GTATG 5  
Db 1 GTATG 5

RESULT 4  
US-08-615-170-10/c  
; Sequence 10, Application US/08615170  
; Patent No. 5776776  
; GENERAL INFORMATION:  
; APPLICANT: ORDAHL, Charles P.  
; APPLICANT: AZAKIE, Anthony  
; APPLICANT: MAR, Janet H.  
; APPLICANT: FARRANCE, Iain K.G.  
; APPLICANT: HALL, Deborah E.  
; APPLICANT: STEWART, Alexandre F.R.  
; APPLICANT: LARKIN, Sarah B.  
; TITLE OF INVENTION: DTEF-1 ISOFORMS AND USES THEREOF  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Khourie and Crew  
; STREET: Steuart Street Tower, One Market Plaza  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: US  
; ZIP: 94105-1493  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/615,170  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/01526  
; FILING DATE: 06-FEB-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/191,493  
; FILING DATE: 04-FEB-1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Heslin, James M.  
; REGISTRATION NUMBER: 29,541  
; REFERENCE/DOCKET NUMBER: 2307U-053120  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 1..7  
; OTHER INFORMATION: /standard name= "Sph-II binding  
; OTHER INFORMATION: site in SV40"  
US-08-615-170-10

Query Match 100.0%; Score 5; DB 1; Length 7;  
Best Local Similarity 100.0%; Pred. No. 2.1e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0;  
Qy 1 GTATG 5

Db

Qy 1 GTATG 5

Db 5 GTATG 1

RESULT 5  
US-08-615-170-12/c  
; Sequence 12, Application US/08615170  
; Patent No. 5776776  
; GENERAL INFORMATION:  
; APPLICANT: ORDAHL, Charles P.  
; APPLICANT: AZAKIE, Anthony  
; APPLICANT: MAR, Janet H.  
; APPLICANT: FARRANCE, Iain K.G.  
; APPLICANT: HALL, Deborah E.  
; APPLICANT: STEWART, Alexandre F.R.  
; APPLICANT: LARKIN, Sarah B.  
; TITLE OF INVENTION: DTEF-1 ISOFORMS AND USES THEREOF  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Khourie and Crew  
; STREET: Steuart Street Tower, One Market Plaza  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: US  
; ZIP: 94105-1493  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/615,170  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/01526  
; FILING DATE: 06-FEB-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/191,493  
; FILING DATE: 04-FEB-1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Heslin, James M.  
; REGISTRATION NUMBER: 29,541  
; REFERENCE/DOCKET NUMBER: 2307U-053120  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 1..7  
; OTHER INFORMATION: /standard name= "Rat beta-Myosin  
; OTHER INFORMATION: Heavy Chain M-CAT binding element"  
US-08-615-170-12

Query Match 100.0%; Score 5; DB 1; Length 7;  
Best Local Similarity 100.0%; Pred. No. 2.1e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0;  
Qy 1 GTATG 5

Db 5 GTATG 1

RESULT 6

US-09-048-927-3  
; Sequence 3, Application US/09048927  
; Patent No. 6147056  
; GENERAL INFORMATION:  
; APPLICANT: Gilchrist, Barbara A.  
; APPLICANT: Yaar, Mina  
; APPLICANT: Eller, Mark  
; TITLE OF INVENTION: Use of Locally Applied DNA Fragments  
; FILE REFERENCE: BU94-68A2  
; CURRENT APPLICATION NUMBER: US/09/048,927  
; CURRENT FILING DATE: 1998-03-26  
; EARLIER APPLICATION NUMBER: 08/952,697  
; EARLIER FILING DATE: 1996-06-03  
; EARLIER APPLICATION NUMBER: 08/467,012  
; EARLIER FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 3  
; LENGTH: 7  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: DNA Fragment  
US-09-048-927-3

Query Match 100.0%; Score 5; DB 3; Length 7;  
Best Local Similarity 100.0%; Pred. No. 2.1e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 2 GTATG 6

RESULT 7  
US-09-142-593-11/c  
; Sequence 11, Application US/09142593  
; Patent No. 6489458  
; GENERAL INFORMATION:  
; APPLICANT: HACKETT ET AL.  
; TITLE OF INVENTION: DNA-BASED TRANSPOSON SYSTEM FOR THE  
; TITLE OF INVENTION: INTRODUCTION OF NUCLEIC ACID INTO DNA OF A CELL  
; NUMBER OF SEQUENCES: 63  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: MUEITING, RAASCH & GEBHARDT, P.A.  
; STREET: 119 NORTH FOURTH STREET, SUITE 203  
; CITY: MINNEAPOLIS  
; STATE: MINNESOTA  
; COUNTRY: USA  
; ZIP: 55402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/142,593  
; FILING DATE: 10-SEP-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/040,664  
; FILING DATE: 11-MAR-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/053,868  
; FILING DATE: 28-JUL-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/065,303  
; FILING DATE: 13-NOV-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US98/04687  
; FILING DATE: 11-MAR-1998  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SANDBERG, VICTORIA A.

; REGISTRATION NUMBER: 41,287  
; REFERENCE/DOCKET NUMBER: 110.00450101  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 612-305-1226  
; TELEFAX: 612-305-1228  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-09-142-593-11

Query Match 100.0%; Score 5; DB 4; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.9e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 6 GTATG 2

RESULT 8  
US-09-927-886-17/c  
; Sequence 17, Application US/09927886  
; Patent No. 6613752  
; GENERAL INFORMATION:  
; APPLICANT: Yant, Mark A.  
; APPLICANT: Yant, Stephen  
; TITLE OF INVENTION: Methods of In Vivo Gene Transfer Using a  
; TITLE OF INVENTION: Sleeping Beauty Transposon System  
; FILE REFERENCE: STAN-160CIP  
; CURRENT APPLICATION NUMBER: US/09/927,886  
; CURRENT FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: 60/162,279  
; PRIOR FILING DATE: 1999-10-28  
; PRIOR APPLICATION NUMBER: 09/440,301  
; PRIOR FILING DATE: 1999-11-17  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 8  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: transposon repeat sequence  
US-09-927-886-17

Query Match 100.0%; Score 5; DB 4; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.9e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 6 GTATG 2

RESULT 9  
US-08-583-276-1  
; Sequence 1, Application US/08583276  
; Patent No. 5837536  
; GENERAL INFORMATION:  
; APPLICANT: McDonagh, Kevin T.  
; APPLICANT: Nienhuis, Arthur  
; APPLICANT: Tolstoshev, Paul  
; TITLE OF INVENTION: IMPROVED EXPRESSION OF HUMAN  
; TITLE OF INVENTION: MULTIDRUG RESISTANCE GENES AND IMPROVED  
; TITLE OF INVENTION: SELECTION OF CELLS TRANSFECTED WITH SUCH GENES  
; NUMBER OF SEQUENCES: 19  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan,  
; ADDRESSEE: Cecchi & Stewart

```
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: DW4.V2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/583,276
; FILING DATE: 05-JAN-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/332,444
; FILING DATE: 31-OCT-1994
; APPLICATION NUMBER: 07/887,712
; FILING DATE: 22-MAY-1992
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 bases
; TYPE: nucleic acid
; STRANDEDNESS: singular
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; DESCRIPTION:
;
US-08-583-276-1

Query Match 100.0%; Score 5; DB 2; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

Qy 1 GTATG 5
Db 4 GTATG 8

RESULT 10
US-08-646-789A-8
; Sequence 8, Application US/08646789A
; Patent No. 6022863
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A.
; TITLE OF INVENTION: REGULATION OF GENE EXPRESSION
; NUMBER OF SEQUENCES: 101
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,789A
; FILING DATE: May 21, 1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA
;
US-08-646-789A-8

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 60.0%; Pred. No. 1.7e+08;
Matches 3; Conservative 2; Mismatches 0; Indels 0;

Qy 1 GTATG 5
Db 1 GTATG 5

RESULT 12
US-09-048-927-1
; Sequence 1, Application US/09048927
; Patent No. 6147056
; GENERAL INFORMATION:
; APPLICANT: Gilchrest, Barbara A.
; APPLICANT: Vaar, Mina
; APPLICANT: Eller, Mark
```

; TITLE OF INVENTION: Use of Locally Applied DNA Fragments  
; FILE REFERENCE: BU94-68A2  
; CURRENT APPLICATION NUMBER: US/09/048,927  
; CURRENT FILING DATE: 1998-03-26  
; EARLIER APPLICATION NUMBER: 08/952,697  
; EARLIER FILING DATE: 1996-06-03  
; EARLIER APPLICATION NUMBER: 08/467,012  
; EARLIER FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: DNA Fragment  
US-09-048-927-1

Query Match 100.0%; Score 5; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 3 GTATG 7

RESULT 13  
US-09-319-648-68/c  
; Sequence 68, Application US/09319648  
; Patent No. 6451530  
; GENERAL INFORMATION:  
; APPLICANT: Hawkins, Mary  
; TITLE OF INVENTION: Fluorescent Nucleotide Analog Hairpin  
; FORMATION for Detection of Nucleic Acid Hybridization  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/319,648  
; FILING DATE: 30-Jul-1999  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/032,844  
; FILING DATE: 13-DEC-1996  
; APPLICATION NUMBER: WO PCT/US97/22448  
; FILING DATE: 10-DEC-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pang, Carol  
; REGISTRATION NUMBER: 48,631  
; REFERENCE/DOCKET NUMBER: 015280-288100US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 68:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:  
US-09-319-648-68

Query Match 100.0%; Score 5; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GTATG 5  
Db 7 GTATG 3  
RESULT 14  
US-10-096-596-32/c  
; Sequence 32, Application US/10096596  
; Patent No. 6746845  
; GENERAL INFORMATION:  
; APPLICANT: Kinzler, Kenneth W  
; APPLICANT: Vogelstein, Bert  
; APPLICANT: Velculescu, Victor  
; APPLICANT: Zhang, Lin  
; TITLE OF INVENTION: METHOD FOR SERIAL ANALYSIS OF GENE EXPRESSION  
; FILE REFERENCE: 001107.00242  
; CURRENT APPLICATION NUMBER: US/10/096,596  
; CURRENT FILING DATE: 2002-03-14  
; PRIOR APPLICATION NUMBER: US 08/527,154  
; PRIOR FILING DATE: 1995-09-12  
; PRIOR APPLICATION NUMBER: US 08/544,861  
; PRIOR FILING DATE: 1995-10-18  
; PRIOR APPLICATION NUMBER: US 09/107,228  
; PRIOR FILING DATE: 1998-06-30  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 32  
; LENGTH: 9  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-096-596-32

Query Match 100.0%; Score 5; DB 4; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.7e+08;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 7 GTATG 3

RESULT 15  
US-09-263-790-37  
; Sequence 37, Application US/09263790  
; Patent No. PP12997  
; GENERAL INFORMATION:  
; APPLICANT: Nirmal Kumar PATRA et al.  
; TITLE OF INVENTION: JAL, PALLAVI, WATER LOGGING TOLERANT CYMBOPOGON WINTERIANUS  
; FILE REFERENCE: 2761-0120P  
; CURRENT APPLICATION NUMBER: US/09/263,790  
; CURRENT FILING DATE: 1999-03-05  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 37  
; LENGTH: 10  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Opt 19 Primer - Used to develop the unique RAPD profiles of the  
US-09-263-790-37

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 7 GTATG 3



```
Db          5 GTATG 9

RESULT 16
US-09-721-777-19
; Sequence 19, Application US/09721777
; Patent No. Ppl3279
; GENERAL INFORMATION:
; APPLICANT: Khanuja, Suman Preet Singh
; APPLICANT: Kumar, Sushil
; APPLICANT: Shasany, Ajit Kumar
; APPLICANT: Dhawan, Sunita
; APPLICANT: Darokar, Mahendra Pandurang
; APPLICANT: Nagvi, Ali Arif
; APPLICANT: Dhawan, Om Parkash
; APPLICANT: Singh, Anil Kumar
; APPLICANT: Patra, Nirmal Kumar
; APPLICANT: Bahl, Janak Raj
; APPLICANT: Bansal, Ram Prakash
; TITLE OF INVENTION: Mint Plant Named Saksham
; FILE REFERENCE: 033166-002
; CURRENT APPLICATION NUMBER: US/09/721.777
; CURRENT FILING DATE: 2000-11-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: OPT primer
US-09-721-777-19

Query Match          100.0%; Score 5; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          1 GTATG 5
Db          5 GTATG 9

RESULT 17
US-08-335-565A-27
; Sequence 27, Application US/08335565A
; Patent No. 5527671
; GENERAL INFORMATION:
; APPLICANT: Li, Kening
; APPLICANT: Rouse, Douglas I.
; APPLICANT: German, Thomas L.
; TITLE OF INVENTION: ASSAY FOR VERTICILLIUM DAHLIAE
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles and Brady
; STREET: 1 South Pinckney St., PO BOX 2113
; CITY: Madison
; STATE: WI
; COUNTRY: USA
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/335.565A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J
; REGISTRATION NUMBER: 27,386
; REFERENCE/DOCKET NUMBER: 960296.93065
; TELECOMMUNICATION INFORMATION:

Query Match          100.0%; Score 5; DB 1; Length 10;

US-09-540-843-4.max.rni

; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-335-565A-27

Query Match          100.0%; Score 5; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          1 GTATG 5
Db          6 GTATG 10

RESULT 18
US-08-250-951-1/c
; Sequence 1, Application US/08250951
; Patent No. 5532129
; GENERAL INFORMATION:
; APPLICANT: Heller, Michael J
; TITLE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC
; TITLE OF INVENTION: STRUCTURES BASED ON CHROMOPHORE- AND FLUOROPHORE-CONTAINING
; TITLE OF INVENTION: POLYNUCLEOTIDES AND METHODS OF THEIR USE
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bingham & Fitting
; STREET: 12526 High Bluff Drive, Suite 300
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92130
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/250.951
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/790,262
; FILING DATE: 07-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: HEL0002P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-792-3680
; TELEFAX: 619-792-8477
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 10
; OTHER INFORMATION: /note= "Donor chromophore at the 3'
; OTHER INFORMATION: T nucleotide"
US-08-250-951-1

Query Match          100.0%; Score 5; DB 1; Length 10;
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Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
Db 8 GTATG 4

RESULT 19
US-08-232-233-1/c
; Sequence 1, Application US/08232233
; Patent No. 5565322
; GENERAL INFORMATION:
; APPLICANT: Michael J. Heller
; TITLE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC
; TITLE OF INVENTION: STRUCTURES BASED ON CHROMOPHORE- AND FLUOROPHORE-
; TITLE OF INVENTION: CONTAINING POLYNUCLEOTIDES AND METHODS OF THEIR USE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 611 West Sixth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,233
; FILING DATE: May 4, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/790,262
; FILING DATE: NO. 5565322ember 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy, David B.
; REGISTRATION NUMBER: 31,125
; REFERENCE/DOCKET NUMBER: 207/170
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 10
; OTHER INFORMATION: /note="Donor chromophore at the 3' T nucleotide"
US-08-232-233-1
Query Match 100.0%; Score 5; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
Db 8 GTATG 4

RESULT 20
US-08-222-177A-422/c
; Sequence 422, Application US/08222177A
; Patent No. 5582979

```

;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/351,748  
;; FILING DATE: 11-MAR-1993  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/033,084  
;; FILING DATE: 11-MAR-1993  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Kaplan Esq., Warren A.  
;; REGISTRATION NUMBER: 34,199  
;; REFERENCE/DOCKET NUMBER: 181411-008  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 248-5000  
;; TELEFAX: (617) 248-4000  
;; INFORMATION FOR SEQ ID NO: 23:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 10 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
US-08-351-748-23

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05; Mismatches 0; Indels 0; Gaps 0;  
Matches 5; Conservative 0;

Qy 1 GTATG 5  
|||  
Db 1 GTATG 5

RESULT'22  
US-08-351-748-25  
; Sequence 25, Application US/08351748  
; Patent No. 5599672  
; GENERAL INFORMATION:  
; APPLICANT: Liang, Peng  
; APPLICANT: Pardee, Arthur B.  
; APPLICANT: Bianchi, Cesario F.  
; TITLE OF INVENTION: IDENTIFYING, ISOLATING, AND CLONING  
; TITLE OF INVENTION: MESSENGER RNAs  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CHOATE, HALL & STEWART  
; STREET: 53 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109-2891  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/351,748  
; FILING DATE: 11-MAR-1993  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/033,084  
; FILING DATE: 11-MAR-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kaplan Esq., Warren A.  
; REGISTRATION NUMBER: 34,199  
; REFERENCE/DOCKET NUMBER: 181411-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 248-5000  
; TELEFAX: (617) 248-4000  
; INFORMATION FOR SEQ ID NO: 25:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs

;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
US-08-351-748-25

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05; Mismatches 0; Indels 0; Gaps 0;  
Matches 5; Conservative 0;

Qy 1 GTATG 5  
|||  
Db 1 GTATG 5

RESULT 23  
US-08-202-927-25/c  
; Sequence 25, Application US/08202927  
; Patent No. 5646126  
; GENERAL INFORMATION:  
; APPLICANT: Cheng, Yung-chi  
; APPLICANT: Lukhtanov, Eugeny A.  
; APPLICANT: Meyer Jr., Rich B.  
; APPLICANT: Pai, Balakrishna S.  
; APPLICANT: Reed, Michael W.  
; APPLICANT: Zhou, James H.  
; TITLE OF INVENTION: Modified Oligonucleotide Duplexes Having  
; TITLE OF INVENTION: Anticancer Activity  
; NUMBER OF SEQUENCES: 70  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Klein & Szekeres  
; STREET: 4199 Campus Drive, Suite 700  
; CITY: Irvine  
; STATE: CA  
; COUNTRY: U.S.A.  
; ZIP: 92715  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/202,927  
; FILING DATE: 28-FEB-1994  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Szekeres, Gabor L.  
; REGISTRATION NUMBER: 28,675  
; REFERENCE/DOCKET NUMBER: 491-07-PA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (714) 854-5502  
; TELEFAX: (714) 854-4897  
; INFORMATION FOR SEQ ID NO: 25:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURES:  
; NAME/KEY: modified\_base  
; LOCATION: 10  
; OTHER INFORMATION: /mod\_base= OTHER  
; OTHER INFORMATION: /note= "Nucleotide 10 has a tail which comprises  
; OTHER INFORMATION: a cholesterol moiety which has its A ring linked to  
; OTHER INFORMATION: the 3'-phosphate through a carbonyl group attached  
; OTHER INFORMATION: to the ring nitrogen of a moiety derived from  
; OTHER INFORMATION: 4-hydroxy-2-hydroxymethylpyrrolidine (see  
; OTHER INFORMATION: formula 3)."  
US-08-202-927-25

Query Match 100.0%; Score 5; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;

```
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 5 GTATG 1

RESULT 24
US-08-430-536A-23
; Sequence 23, Application US/08430536A
; Patent No. 5665547
; GENERAL INFORMATION:
; APPLICANT: Liang, Peng
; APPLICANT: Pardue, Arthur B.
; TITLE OF INVENTION: IDENTIFYING, ISOLATING, AND CLONING
; TITLE OF INVENTION: MESSENGER RNAs
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHOATE, HALL & STEWART
; STREET: 53 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2891
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/430.536A
; FILING DATE: 25-APR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Herschbach Ph.D., Brenda M.
; REGISTRATION NUMBER: 39,223
; REFERENCE/DOCKET NUMBER: 181411-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-5000
; TELEFAX: (617) 248-4000
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-430-536A-23

Query Match 100.0%; Score 5; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 1 GTATG 5

RESULT 25
US-08-430-536A-25
; Sequence 25, Application US/08430536A
; Patent No. 5665547
; GENERAL INFORMATION:
; APPLICANT: Liang, Peng
; APPLICANT: Pardue, Arthur B.
; TITLE OF INVENTION: IDENTIFYING, ISOLATING, AND CLONING
; TITLE OF INVENTION: MESSENGER RNAs
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHOATE, HALL & STEWART
; STREET: 53 State Street
; CITY: Boston

Query Match 100.0%; Score 5; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 1 GTATG 5

RESULT 26
US-08-171-718-45
; Sequence 45, Application US/08171718
; Patent No. 5707863
; GENERAL INFORMATION:
; APPLICANT: Trofatter, James A.
; APPLICANT: MacCollin, Mia M.
; APPLICANT: Gusella, James F.
; TITLE OF INVENTION: Tumor Suppressor Gene Merlin and Uses
; TITLE OF INVENTION: Thereof
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1100 New York Avenue, N.W., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/171.718
; FILING DATE: 22-DEC-1993
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/108,808
; FILING DATE: 19-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/022,034
; FILING DATE: 25-FEB-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/026,063
```

```
; FILING DATE: 04-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Anne
; REGISTRATION NUMBER: 36,463
; REFERENCE/DOCKET NUMBER: 0609.3850003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-171-718-45

Query Match      100.0%; Score 5; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTATG 5
Db      1 GTATG 5

RESULT 27
US-08-703-601-1/c
; Sequence 1, Application US/08703601
; Patent No. 5849489
; GENERAL INFORMATION:
; APPLICANT: Michael J. Heller
; TITLE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC
; TITLE OF INVENTION: STRUCTURES BASED ON CHROMOPHORE-
; TITLE OF INVENTION: AND FLUOROPHORE-CONTAINING
; TITLE OF INVENTION: POLYNUCLEOTIDES AND METHODS OF
; TITLE OF INVENTION: THEIR USE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/703,601
; FILING DATE: August 23, 1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/232,233
; FILING DATE: May 5, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Kappos, John
; REGISTRATION NUMBER: 37,861
; REFERENCE/DOCKET NUMBER: 221/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO

; FILING DATE: 04-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Anne
; REGISTRATION NUMBER: 36,463
; REFERENCE/DOCKET NUMBER: 0609.3850003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-703-601-1

Query Match      100.0%; Score 5; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTATG 5
Db      1 GTATG 5

RESULT 28
US-08-684-547-23
; Sequence 23, Application US/08684547
; Patent No. 5965409
; GENERAL INFORMATION:
; APPLICANT: Pardee Ph.D., Arthur B.
; APPLICANT: Liang Ph.D., Peng
; TITLE OF INVENTION: SYSTEM FOR COMPARING LEVELS OR AMOUNTS
; TITLE OF INVENTION: OF MRNAS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHOATE, HALL & STEWART
; STREET: 53 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2891
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/684,547
; FILING DATE: 19-JUL-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jarrell Ph.D., Brenda H.
; REGISTRATION NUMBER: 39,223
; REFERENCE/DOCKET NUMBER: 0181411-0013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-5000
; TELEFAX: (617) 248-4000
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
;
US-08-684-547-23

Query Match      100.0%; Score 5; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTATG 5
Db      1 GTATG 5

RESULT 29
US-08-684-547-25
; Sequence 25, Application US/08684547
; Patent No. 5965409
; GENERAL INFORMATION:
```

```
; APPLICANT: Pardee Ph.D., Arthur B.
; APPLICANT: Liang Ph.D., Peng
; TITLE OF INVENTION: SYSTEM FOR COMPARING LEVELS OR AMOUNTS
; TITLE OF INVENTION: OF MRNAS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESS: CHOATE, HALL & STEWART
; STREET: 53 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2891
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/684,547
; FILING DATE: 19-JUL-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jarrell Ph.D., Brenda H.
; REGISTRATION NUMBER: 39,223
; REFERENCE/DOCKET NUMBER: 0181411-0013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-5000
; TELEFAX: (617) 248-4000
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-684-547-25
```

```
Query Match 100.0%; Score 5; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GTATG 5
Db 1 GTATG 5
```

```
RESULT 30
US-08-469-318-174
; Sequence 174, Application US/08469318
; Patent No. 6022535
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Multivariant IL-3 Hematopoiesis Fusion
; TITLE OF INVENTION: Protein
; NUMBER OF SEQUENCES: 196
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,318
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/446,872
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 174:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
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```
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "synthetic DNA"
US-08-469-318-174
```

```
Query Match 100.0%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GTATG 5
Db 6 GTATG 10
```

```
RESULT 31
US-08-468-609A-174
; Sequence 174, Application US/08468609A
; Patent No. 6030812
; GENERAL INFORMATION:
; APPLICANT: Abrams, Mark A.
; APPLICANT: Bauer, S. C.
; APPLICANT: Braford-Goldberg, Sarah R.
; APPLICANT: Caparon, Maire H.
; APPLICANT: Easton, Alan M.
; APPLICANT: Klein, Barbara K.
; APPLICANT: McKearn, John P.
; APPLICANT: Olines, Peter O.
; APPLICANT: Paik, Kuman
; APPLICANT: Thomas, John W.
; TITLE OF INVENTION: Fusion Proteins Comprising Multiply Mutated Interleukin-3 (IL-3)
; NUMBER OF SEQUENCES: 197
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co.,
; STREET: P. O. Box 5110
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60680
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,609A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/192,325
; FILING DATE: 14-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Bennett, Dennis A.
; REGISTRATION NUMBER: 34,547
; REFERENCE/DOCKET NUMBER: C-2790/3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314)737-6986
; TELEFAX: (314)737-6972
; INFORMATION FOR SEQ ID NO: 174:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "synthetic DNA"
US-08-468-609A-174
```

```
Query Match 100.0%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GTATG 5
```

```
Db          |||||
            6 GTATG 10

RESULT 32
US-08-478-087-45
; Sequence 45, Application US/08478087
; Patent No. 6077685
; GENERAL INFORMATION:
; APPLICANT: Trofatter, James A.
; APPLICANT: MacCollin, Mia M.
; APPLICANT: Gusella, James F.
; TITLE OF INVENTION: Tumor Suppressor Gene Merlin and Uses
; TITLE OF INVENTION: Thereof
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1100 New York Avenue, N.W., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/478,087
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/171,718
; FILING DATE: 22-DEC-1993
; APPLICATION NUMBER: US 08/108,808
; FILING DATE: 19-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/022,034
; FILING DATE: 25-FEB-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/026,063
; FILING DATE: 04-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Anne
; REGISTRATION NUMBER: 36,463
; REFERENCE/DOCKET NUMBER: 0609.3850003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-478-087-45

Query Match          100.0%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 1 GTATG 5

RESULT 33
US-09-063-450-24/c
; Sequence 24, Application US/09063450
; Patent No. 6109776
; GENERAL INFORMATION:
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Method and System for Computationally Identifying

; TITLE OF INVENTION: Clusters Within a Set of Sequences
; FILE REFERENCE: 77001.002
; CURRENT APPLICATION NUMBER: US/09/063,450
; CURRENT FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 24
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example
; OTHER INFORMATION: sequence illustrating a computational methodology
US-09-063-450-24

Query Match          100.0%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 5 GTATG 1

RESULT 34
US-09-063-450-33
; Sequence 33, Application US/09063450
; Patent No. 6109776
; GENERAL INFORMATION:
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Method and System for Computationally Identifying
; TITLE OF INVENTION: Clusters Within a Set of Sequences
; FILE REFERENCE: 77001.002
; CURRENT APPLICATION NUMBER: US/09/063,450
; CURRENT FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 33
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example
; OTHER INFORMATION: sequence illustrating a computational methodology
US-09-063-450-33

Query Match          100.0%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5
Db 3 GTATG 7

RESULT 35
US-09-123-638-1/c
; Sequence 1, Application US/09123638
; Patent No. 6162603
; GENERAL INFORMATION:
; APPLICANT: Michael J. Heller
; TITLE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC
; TITLE OF INVENTION: STRUCTURES BASED ON CHROMOPHORE-
; TITLE OF INVENTION: AND FLUOROPHORE-CONTAINING
; TITLE OF INVENTION: POLYNUCLEOTIDES AND METHODS OF
; TITLE OF INVENTION: THEIR USE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
```

ZIP: 90071  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)  
SOFTWARE: WordPerfect (Version 5.1)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/123,638  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/703,601  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Kappos, John  
REGISTRATION NUMBER: 37,861  
REFERENCE/DOCKET NUMBER: 221/078  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: 10  
OTHER INFORMATION: /note="Donor chromosome at the 3' T  
US-09-123-638-1

Query Match 100.0%; Score 5; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 8 GTATG 4

RESULT 36  
US-08-646-695-30  
Sequence 30, Application US/08646695  
Patent No. 6168943  
GENERAL INFORMATION:  
APPLICANT: Rose, John K.  
TITLE OF INVENTION: RECOMBINANT VESICULOVIRUSES AND THEIR  
TITLE OF INVENTION: USES  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/646,695  
FILING DATE: On Even Date Herewith  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Mistock, S. Leslie

REGISTRATION NUMBER: 19,872  
REFERENCE/DOCKET NUMBER: 6523-008  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: RNA  
FEATURE:  
NAME/KEY: polyA  
LOCATION: 10  
US-08-646-695-30

Query Match 100.0%; Score 5; DB 3; Length 10;  
Best Local Similarity 60.0%; Pred. No. 3e+05;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 6 GTATG 10

RESULT 37  
US-08-875-533-31  
Sequence 31, Application US/08875533  
Patent No. 6254870  
GENERAL INFORMATION:  
APPLICANT:  
TITLE OF INVENTION: No. 6254870e1 c-MPL Ligands  
NUMBER OF SEQUENCES: 73  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,533  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/383,035  
FILING DATE: 04-FEB-1995  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "synthetic DNA"  
US-08-875-533-31

Query Match 100.0%; Score 5; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 1 GTATG 5

RESULT 38  
US-08-446-872A-174  
Sequence 174, Application US/08446872A  
Patent No. 6361977  
GENERAL INFORMATION:  
APPLICANT: Abrams, Mark A.  
NAME: Bauer, S. C.



APPLICANT: Bradford-Goldberg, Sarah R.  
APPLICANT: Caparon, Mairé H.  
APPLICANT: Easton, Alan M.  
APPLICANT: Klein, Barbara K.  
APPLICANT: McKearn, John P.  
APPLICANT: Olin, Peter O.  
APPLICANT: Paik, Kuman  
APPLICANT: Thomas, John W.  
TITLE OF INVENTION: Multivariant IL-3 Hematopoiesis  
STRUCTURES BASED ON CHROMOPHORE-  
AND FLUOROPHORE-CONTAINING  
POLYNUCLEOTIDES AND METHODS OF  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
CITY: Los Angeles  
STATE: California

US-09-724-753-1/c  
Sequence 1, Application US/09724753  
Patent No. 6416953  
GENERAL INFORMATION:  
APPLICANT: Michael J. Heller  
TITLE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC  
STRUCTURES BASED ON CHROMOPHORE-  
AND FLUOROPHORE-CONTAINING  
POLYNUCLEOTIDES AND METHODS OF

Query Match 100.0%; Score 5; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05; Mismatches 0; Indels 0; Gaps 0;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 6 GTATG 10

RESULT 39  
US-09-724-753-1/c  
Sequence 1, Application US/09724753  
Patent No. 6416953  
GENERAL INFORMATION:  
APPLICANT: Michael J. Heller  
TITLE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC  
STRUCTURES BASED ON CHROMOPHORE-  
AND FLUOROPHORE-CONTAINING  
POLYNUCLEOTIDES AND METHODS OF

Query Match 100.0%; Score 5; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05; Mismatches 0; Indels 0; Gaps 0;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 6 GTATG 10

COUNTRY: USA  
ZIP: 90071  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)  
SOFTWARE: WordPerfect (Version 5.1)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/724,753  
FILING DATE: 28-NO. 6416953-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/123,638  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Kappos, John  
REGISTRATION NUMBER: 37,861  
REFERENCE/DOCKET NUMBER: 221/078  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 10  
OTHER INFORMATION: /note="Donor chromophore at the 3' T  
nucleotide"  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-724-753-1

Query Match 100.0%; Score 5; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 3e+05; Mismatches 0; Indels 0; Gaps 0;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTATG 5  
Db 8 GTATG 4

RESULT 40  
US-08-762-227A-174  
Sequence 174, Application US/08762227A  
Patent No. 6436387  
GENERAL INFORMATION:  
APPLICANT: Abrams, Mark A.  
Bauer, S. C.  
Bratford-Goldberg, Sarah R.  
Caparon, Mairé H.  
Easton, Alan M.  
Klein, Barbara K.  
McKearn, John P.  
Olin, Peter O.  
Paik, Kuman  
Thomas, John W.  
TITLE OF INVENTION: Multivariant IL-3 Hematopoiesis  
Fusion Protein  
NUMBER OF SEQUENCES: 197  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co.,  
Corporate Patent Dept.  
STREET: P. O. Box 5110  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA

```

/ ZIP: 60680
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/762,227A
/ FILING DATE: 09-Dec-1996
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/192,325
/ FILING DATE: 14-FEB-1994
/ APPLICATION NUMBER: US 08/446,872
/ FILING DATE: 06-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Bennett, Dennis A.
/ REGISTRATION NUMBER: 34,547
/ REFERENCE/DOCKET NUMBER: C-2790/5
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (708)470-6501
/ TELEFAX: (708)470-6881
/ INFORMATION FOR SEQ ID NO: 174:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 10 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "synthetic DNA"
/ SEQUENCE DESCRIPTION: SEQ ID NO: 174:
US-08-762-227A-174

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Query Match      100.0%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred.No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTATG 5
      |||||
Db      6 GTATG 10

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